je Kining Immal,

No. 1505.-Vol. XXXIV.

LONDON, SATURDAY, JUNE 25, 1864.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

(SUPPLEMENT) {STAMPED.....SIXPENCE. UNSTAMPED..FIVEPENCE;

M. R. JAMES CROFTS, SHAREBROKER,
M. Georrs transacts business, in the way of PURCHASE or SALE, in every description of stocks, but particularly in BRITISH MINES, in no case departing from the position of a broker, at net prices. All orders meet with the utmost punctuality and stall, and salvice given as to the nature and eligibility of in INVESTMENTS, when required, Ms. Gaorrs, from a lengthened experience of the Mining Market, is competent to advise as to the merits of any mine, and the desirability of suying, selling, or exchanging shares. To the latter department he devotes particular attention.

**a* A list of SHARES TO BUY, carefully studied, so as to lead to successful results in a short time, will be forwarded on application. Market highly in favour of purchasers.

M. B. JAMES LANE, No. 44, THREADNEEDLE STREET,
LONDON. E.C.

JAMES LANE has FOR SALE at net prices: -5 Basset and Grylls, £10; 10 Boscawen,
£3½; 50 Crebor, 47s. 6d.; 10 East Carn Brea, £3½; 50 East Providence, £4; 20
Grat Wheal Busy, £3½; 10 East Lovell, £19; 10 East Stoon, 9s.; 30 Great East Lovell,
£3½; 6 Great Wheal Fortune, £15; 20 Hallenbeagle, £4½; 10 Marke Valley, £5½;
20 North Basset, 30s.; 50 New Birch Tor and Vittler, £3; 30 New Wheal Rose; 10
Barth Treskerby, £3½; 50 North Devon, £1; 20 North Golch Hill, £1s. 6d.; 20 Pendere Cossols, £4½; 35 St. Day United; 10 Sibney and Carumeal, £6; 5 Sithney
Wheal Metal, £3½; 10 Treworlis, £3; 10 Kitty (St. Agnes), £6; 20 Wheal Grenville,
£3½; 3 West Frances, £30.

EAST WHEAL LOVEL.—When the shares in this mine were selling at a THIRD OF THE PRESENT PRICE, I called particular attention to this properly, and I still recommend a purchase of the shares at the present low price. This is a called a call

CAPITALISTS AND SHAREHOLDERS IN MINES, will do well to read the "Weekly Circular," published by Peter Watson, of Friday, 10th of June, No. 328, Vol. VIII.; Friday, 17th of June, No. 327; and Friday, 2th of June, No. 328. Frice 6d. each copy (post paid). Forwarded on application. In his "Circular" there are several mines mentioned, which are certain to pay good interest, and the price of shares greatly and quickly advance in market value. Important information is also given as to main causes of the recent great depreciation in the market value of some of the most prominent dividend and progressive mines.

79, 0id Broad-street, London, E.C., June 24, 1864.

DETER WATSON'S WEEKLY MINING CIRCULAR AND SHARE LIST, published every Friday, price 6d. each copy, forwarded on application. This Circular contains weekly important information with respect to all the principal dividend and progressive mines in Devon and Cornwall.

79, Old Broad-street, London, E.C.

TOCK AND SHAREDEALER.—Mr. PETER WATSON, ENGLISH AND FOREIGN STOCK, SHARE, AND MINING OFFICES, 79, OLD BROAD-STREET, LONDON, E.C., SHARE, AND MINING OFFICES, 79, TELEGRAPHIC MESSAGES to BUY or SELL Railway, Bank, Mine, and other Shares and Stocks, punctually attended to on commission, or at nett prices for cash, or for forting hitly settlements, with advice as to purchasee or sales.

Nineteen years' experience.
(Two in Cornwall and Seventeen in London

Bankers: Union Bank of London, and the Alliance Bank of London and Liverpool, Bankers: Union Bank of London, and the Alliance Bank of London and Liverpool. Every information can be obtained on personal application or by letter, as to purchases and sales of mine and other shares, and the best investment for capital. From the close proximity of his Offices to the Stock Exchange, as well as the Mining Exchange, Perran Warsow is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality, and to the best advantage of his clients.—June 24, 1864.

MR. LELEAN, STOCK AND SHAREDEALER, 11. ROYAL EXCHANGE, LONDON, E.C. Shares bought and sold on the usual commission. Telegraphic messages promply attended to. Mines inspected, and reliable information given. Established 15 years. Mr. Lelean recommends the purchase of Great Lexey, Great South Chiverton, and a few other mines. Names and prices furnished on application.—June 24, 1864.

MR. WM. BIRDSEY, MINE AND SHAREBROKER, No. 2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

MR. E. GOMPERS, MINING OFFICES, S. CROWN CHAMBERS, THREADNEEDLE STREET, LONDON, E.C. BUSINESS TRANSACTED IN BRITISH and FOREIGN STOCKS and SHARES. Terms, 1½ per cent. Bankers: London and Westminster Bank.

M. WALTER TREGELLAS, STOCK AND SHAREBROKER, 12, ST. MICHAEL'S ALLEY, CORNHILL, LONDON, E.C.

WILLIAM BARTLETT, STOCK AND SHAREBROKER, MINING EXCHANGE, and No. 2, BUCKLERSBURY, LONDON, E.C. Advice given as to the safest and best paying investments. Bankers: Alliance Bank.

MESSRS. WARD AND JACKMAN, STOCK AND SHAREBROKERS, 2, ADAM'S COURT, OLD BROAD STREET, AND MINING EXCHANGE, LONDON, E.C. (ESTABLISHED ELEVEN YEARS.)
TRANSACT BUSINESS in BRITISH AND FOREIGN MINING SHARES and OTHER SECURITIES at closest prices, nett or on commission, but not being DEALERS enly execute orders confided to them.
Telegraphic messages to buy or sell shares of every description promptly executed for launcilate cash, or the fortnightly settlements.

Commission, 14, per cent. on all transactions.
June 24, 1864. Bankers: London and Westminster, Lothbury.

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INVESTMENT SFOR CAPITAL.

Paying 10 to 20 per cent. per annum in bi-monthly and quarterly dividends.

BHARP'S RAILWAY, BANKING, MINING, AND INVESTMENT CIRCULAR

(Gratis and post free investment of the Public before INVESTING. It contains reliable information and advice to capitalists. Reports on Mines, Railways, Banks, Insurance, Decks, Loans, and all Financial Companies, &c., Record of Market Prices, and is the only 8AFE GUIDE for the Investment of Capital.

RENRY GOULD SHARP, 32, POULTRY, LONDON, E.C. Established 12 years.

M. R. JOHN BATTERS, STOCK AND MINITED SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C., pays particular attention to British Lead, Copper, and Tin Mines, for which he solicits orders to sail or bay, at nett prices.

FOR SALE:—50 East Seton, 4s. 9d.; 3 Grambler and St. Aubyn, £3; 5 Rosewarne United; 20 East Russell, £4½; 50 Chiverton Valley; 1 Wentworth Consols.

BUYER of Central Minera and Albert Life Insurance. State number and lowest price.

GEORGE RICE, SHAREBROKER, 5, COWPER'S COURT, BIRCHIN LANE, LONDON. (21 years' experience), has SPECIAL BUSINESS.

Closing qu	notations,	Closi	ng quotation
Chiverton£103	-11	New Rosewarne	€ 814- 9
Ullford Amalgamated 221	-33	North Treskerby	134- 2
Devon & Bedford (Colch) 10a	prem,	Prosper United	4 - 436
Fast Lovell		Nangiles	26 -27
East Caradon 993/		Wheal Crebor	46s47s.
	4 4 1	West Chiverton	
Fast Carn Brea 73		West Chiverton	70 -75
Past Connectity	6-8	Wheal Grenville	7 - 714
East Grenville 47	8-5	Wheal Seton	220-225
Great Wheal Vor 30	-31	Wheal Hope	3%- 3%
Marke Valley 5	- 514		

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MR. GEORGE BUDGE, SHAREBROKER, No. 4, ROYAL EXCHANGE BULLDINGS, LONDON, E.C. (Established 17 years), has FOR SALE at nett prices:—150 Santa Barbara, 9s. 6d.; 1 West Dammel, £85; 50 East Grenvills, £418s, 9d.; 20 Hingston Down, £44; 3 Ballier; 5 Thircroft, £1884; 20 North Treakerly, £2; 10 Great Wheal Vor, £324; 30 Great South Tolgus, £36; 25 East Cara Brea, £34; 150 Vale of Towy, £49; 4; 16 Wheal Uny, £53; 100 Garreg, 9d.; 16 Dup Pedro, 11s. 6d.; 50 Bryntail; 300 Roses Grande, 4s.; 100 Wh. Hartley, 10s. 6d.; 18 South Caradon; 1 West Sharp Tor, £32; 100 Great Fortme, £15; 10 West Chiverton; 18 Wentworth Consols, £14%; 100 Merllyn, 9d.; 50 Okel Tor, £3%; 100 South Greatills, 6s. 6d.; 50 Redmoor, 3s. 6d.; 50 Wheal Unity, 5s. 9d.; 125 East Seton, 5s. 6d.; 60 Kell Ford, 10s.; 25 Cape Caper, £118; 30 Frank Mills; 200 East Del Rey, 15s.; 100 Port Phillip, £1 3s. 9d.; 100 Gawton, 50s.; 35 North Mierer (Preference); 100 Prince of Wales, 5s. 6d.; 50 Wheal Union,

O R G E M O O I, CROWN COURT, THREADNEEDLE STREET.

JAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:—

30 Anglo-Brazilian, 5s. 9d.
10 Great Grylls.
20 Great Wheal Metal.
21 Buller, £26%.
20 Brynford Hall, £11%.
210 Bahla Steam.
20 Hallenbesgle, £43%.
20 Hawkmoor.
210 Cara Camborne, 17s.
210 Clifford Amalgamated.
25 Crar Camborne, £29%.
26 Crar Camborne, £29%.
27 Cara Camborne, £29%.
28 Cara Camborne, £29%.
29 Craver Abraham.
20 Milwall Iron, 17s. 6d.
20 Toward Amalgamated.
20 Milwall Iron, 17s. 6d.
20 Toward Arganam.
210 Chiverton Val., £4%.
230 Crever Abraham.
24%.

10 Bedford United.
25 Carn Camborne, 17s.
10 Clifford Amalgamated.
5 Crane.
5 Carn Erfin, £29\fo.
5 Cown Erfin, £29\fo.
1 Carn Bers, £66.
20 Grener Abraham.
10 Chiverton Val., £4\fo.
20 Camborne Vean, £2\fo.
20 Drake Walls.
1 Devon Great Consols.
10 Dale, 9s.
10 Dale, 9s.
10 Dale, 9s.
20 E. Carn Brea, £7 18 9d.
20 E. Carn Br

And is a BUYER of 1 South Caradon, 5 Nanglies, 20 Bryntall, 50 St. Day United, 30 forth Pool, and 10 St. John del Rey. 2, Adam's-court, Old Broad-street, June 24, 1864.

MESSRS. VIVIAN AND REYNOLDS, 37, OLD BROAD STREET, LONDON, E.C., MINING ENGINEERS, INSPECTORS of MINES, COMMISSION, and GENERAL AGENTS for the FURCHASE or SALE of MINE SHARES, RAILWAY, and EVERY OTHER DESCRIPTION of STOCK. Commission on sharetransactions 14 per cent. on £100 and above, and 2½ per cent. on less sums.

MR. EDWARD COOKE, MENING SHAREBROKER, application, relative to the merits of mines, either for speciation or investment. Mr. EDWARD COOKE having visited East Lovell Mine will be very happy to afford reliable information relative to the same.

June 24, 1864. Bankers: Alliance Bank, Lothbury.

MR. GEORGE BATTERS strongly recommends his friends to buy
Tincroft, West Chiverton, Chiverton, Herodsfoot, South Caradon, Devon Great
Consols, Great Wheal Yor, Chiverton Valley, Prosper United, Wentworth Consols, and
Sithney Wheal Metal for investment. These shares will pay good interest for money
at present quotations.—76, Old Broad-street, E.C.

THOMAS HAMILTON (late of Truro), STOCK AND SHAREBROKEE.

4. AUSTINFRIARS, OLD BROAD STREET, LONDON, E.C. Mine shares bought and sold on the usual commission.

JAMES HUME, SHAREBROKER, 74, OLD BROAD STREET,
Mr. HUME'S CIrcular for June 9 will be forwarded on application, and contains special
reports and remarks on the leading market mines. Price 6d. per copy; subscription,
5s. per annum.

Bankers: London Joint-Stock Bank.

RICHARD CLIFT, MINE SHAREDEALER, late of Redruth, now 48, THREADNEEDLE-STREET, LONDON, where all letters are to be addressed.

R. JOHN B. REYNOLDS has REMOVED from 37, Old Broad-street, to 64, THREADNEEDLE STREET.

MR. H. WADDINGTON, MINING AND SHAREBROKER,
20, THROGMORTON STREET, LONDON, E.C.
Shares in railways, mines, &c., bought and sold on the usual commission.

JOHN RISLEY, 32, LOMBARD STREET, LONDON, E.C. SHARES in MINES BOUGHT and SOLD on commission, at 1/4 per cent., for immediate cash. Bankers: London and Westminster, Lothbury.

MR. WILLIAM WARD (late with Messrs. Dunsford and Ranken), SHAREBROKER, 29, THREADNEEDLE STREET, LONDON, E.C., transacts business in British and Foreign Mise Shares, and other securities, at the closest prices, but not being a dealer only executes orders entrusted to him. Telegrams to buy or sell for cash or the fortnightly settlements promptly attended to.

In any business that W. WARD is favoured with, in which he is the buyer, he will

In any business that W. Wans or cive cash on receipt of transfer.

Commission, 1½ per cent. on all transactions.

Bankers: City Bank.

DEVON COPPER MINE (COST-BOOK).—Three-fourths of the shares in this unusually promising undertaking having been taken up by private neans (chiefly locally), the remaining 1000 shares are now for the first time offered to public.

Prospectuses, with the opinions of the contraction of the contra

the public.

Prospectuses, with the opinions of men in whom the mining world places well-deserved confidence, can be obtained of the Secretary, or of Mr. W. Ward, 29, Threadneedle-street, E.C., where specimens fresh from the mine can also be seen. Applications for shares should be made early, allotment going by priority; and, as the mine is daily improving, those desirous of joining a bona fide concern, offering more than ordinary promise of early success, may soon find that the chance of doing so, at the nominal price at which it may now be done, is gone by. Inspection is freely invited.

Chiverton, £11.
East Russell, £4½.
East Lovell, £18.
East Rosewarne, £3 1 3.
East Cardon, £29½.
East Carn Brea, £8½.
East Cyr, £4½.
Last Carn Brea, £8½.
Last Grenville, £5½.
Lad is a BUYER of—
Brican, 30s.

MR. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, E.C., has FOR SALE:—

Bronfloyd, £3\(\frac{1}{2}\).
Chiverton, £11.

East Russell, £4\(\frac{1}{2}\).
East Lovell, £18.
East Lovell, £18.
East Caradon, £3\(\frac{1}{2}\).
Hingston, £4.
Hingston, £4.
Wheal Crebor, 47s.
Wheal Rose, £44.
Wheal Crebor, 47s.

Wheal Crebor, 46s. South Frances, £45. Brigan, 30s. East Carn Brea, £734. Great Laxey, £14. Nanglies, £261/4. T. ROSEWARNE, having had East Lovell, East Wheal Grenville, and East Carn Brei lines inspected this week, is enabled to adves parties about to operate. Jane 24, 1854.

Bankers: Bank of London.

MR. J. P. ENDEAN, STOCK AND SHAREBROKER, 1, CROWN COURT, OLD BROAD STREET, LONDON, E.C. Having had 25 years' experience in the mining districts of Devon and Cornwall, and three in the London market, with daily information of important changes from qualified agents, also the most anthentic reports relating to other investments, he is in a position to afford the earliest information to his clients, and to direct capitalists whether to buy or sell in mines, railways, or other securities.

Investors should apply to him for reliable information relative to the Chiverton Mines, also the Camborne and Illogan districts.

A carefully selected list of sound progressive and dividend shares (certain to give a large percentage immediately) forwarded on receipt of fis. in stamps.

Orders and telegrams receive immediate attention.

M R. T. P. THOMAS, MINING AGENT AND AUCTIONEER,
2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER,
2. PINNER'S COURT, OLD BROAD STREET, LONDON.
Mr. T. E. W. TROMAS STRONGLY recommends the purchase of Wheal Grenville shares

MR. FRANCIS G. LANE, No. 2, ROYAL EXCHANGE, LONDON, E.C., has the following SHARES FOR SALE:—

10 Great Laxey, £13%.
25 East Rosewarne, £9.
30 North Basset, £1%.
20 Great No. Downs, £5%.
30 Wh. Prosper (Breage),
30 Carn Camborne, 16 5d.
30 Dale, 9s. 6d.
30 Quebrada £5 10s paid),
% premium.

Partles of respectability can have transfers registered into their names previous to payment.

Bankers: London and County Bank.

MR. F. W. MANSELL, MINING SHAREBROKER, 75, OLD BROAD STREET, LONDON, E.C.

MR. JOHN R. PIKE, GENERAL SHAREDEALER,
OFFERS his SERVICES to INVESTORS.
3, PINNER'S COURT, OLD BROAD STREET, LONDON.

SHARES WANTED IN THE FOLLOWING MINES:-Grambier & St. Aubyn. West Stray Park. Ding Dong. Camborno Vean. Bryntail. South Frances. Mining Orices, 77, Old Broad-street, London, June 24, 1864.

WILLIAM SEWARD, MINING BROKER, STOCK AND SHAREDEALER, 19, THROGMORTON STREET, LONDON, E.C. Commission, 1½ per cent. on all transactions.

MR. THOS. THOMPSON, MINING OFFICES, 12, OLD JEWRY CHAMBERS, LONDON, E.C.

MR. G. D. SANDY, SHAREDEALER, No. 48,
THREADNEEDLE STREET, LONDON, E.C.
Mr. Sandy can confidently recommend two or three mines certain to have a great rise
during the present year. Intending purchasers should apply at once.
A correct daily price list will be forwarded on application.
Business transacted at the closest market prices.

MESSRS. ROBERTS AND CO., 31, NEW BROAD STREET, E.C., have selected a LIST of DIVIDEND and PROGRESSIVE MINES which they can strongly recommend. Also, Bank, Railway, and other shares. Commission, 1½ per cent.

Office of Roberts and Co.'s "Price List, and Stock and Share Reporter," price 3d.

WILLIAM ALLISON, STOCK, SHARE, AND MINING BROKER, 29, AUSTINFRIARS, LONDON, E.C. Orders to buy or sell, accompanied by references, punctually attended to.

R. J. W. GILBERT, MINE SHAREBROKER, 1, PINNER'S COURT, OLD BROAD STREET, LONDON.

JOSEPH GREGORY, STOCK AND SHAREBROKER, 2, HATTON COURT, THREADNEEDLE STREET, LONDON, E.C. Commission on purchase and sale of mining shares, 1½ per cent. Bankers: City Bank.

MR. J. H. COCK (late of Redruth), STOCK AND MINE SHAREBROKER, 2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

J. H. COCK, baving had 12 years' experience in the mining market at Redruth, is in a position to give sound advice to those about to buy or sell mining property.

MATTHEW GREENE, MINING SHARE BROKER, 27, AUSTINFRIARS, LONDON, E.C., bas SPECIAL BUSINESS, as BUYER or SELLER, in the FOLLOWING SHARES, at the prices annexed:—
50 Crebor, 47s. 50 East Grenville, £5 2 6 100 Great Retailack, 5s. 50 East Rosewarne, £3 1 3 100 Gt. SouthChiverton,40s. 55 St. Just United, £14.

Shares bought and sold on the usual commission.

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of solines therein, enables him to GIVE GOOD ADVICE thereon.
MINES INSPECTED and faithfully REPORTED ON. DEALER in MINING, RAILWAY, and OTHER SHARES.
His monthly "circular" for April contains a selected list of Cornish and other mines. Forwarded on recipit or six postage stamps.
38, Dowgate-hill Chambers, London, E.C.

KING AND CO., MINING AND SHAREBROKERS, ELDON CHAMBERS, LIVERPOOL.

FOR SALE, SEVENTY-FIVE or ONE HUNDRED BEDOL-AUR SHARES. A fair offer will be accepted, 12s. per share being paid.

Apply to "D. E.," MINING JOURNAL office, 28, Fleet-street, London, E.C.

FOR SALE:—10 South Kensington Hotel shares (£10 paid), at 1½ discount. And an OFFER WANTED for 25 St. Just United shares.—Apply to Mr. EMERSON, St. Michael's House, St. Michael's-ailey, Cornhill, London. OR SALE, a VALUABLE SLATE QUARRY in MERIONETHISHIRE, partially opened.—Address, Walter Thomson, Esq., Cop-

HOLDER of the UNDERMENTIONED SHARES, who has

A offered them to dealers at their lowest quoted prices, but in vain, now OFFERS THEM to the public, in one lot, for a SUM CONSIDERABLY UNDER the LOWEST PRICES QUOTED or ADVERTISED:— PRICES QUOTED or ADVERT 28 Chiverton. 10 Wentworth Consols. 20 Mineral Bottom 19 Pentre Lygan.

Address by letter, to "A. B.," Thomas's newspaper office, 23, Great Marylebone-street.

A MECHANICAL ENGINEER, of long practical experience, of besides an Engagement, where thorough knowledge of every branch of his profession would be appreciated. Immediate employment would be of greater

26, Fleet-street, London, E.C.

ANTED, by a Cornish captain, a SITUATION, at home or abroad, either in a TIN, LEAD, or CUPPER MINE, as UNDERGROUND AGENT of DRESSER. The advertiser has had many years' experience, and is well acquainted with mining in all its branches. Testimonials as to character and ability, with unexceptionable references, can be produced.—For particulars, apply to "G. O.," MINING JOURNAL office, 26, Fieet-street, London, E.C.

TSAAC FRANCIS, NANT, WREXHAM, a dresser of 30 years' experience, is OPEN to INSPECT ANY DRESSING PLACE on moderate terms.

Mr. Francis can introduce PLANS of IMPROVEMENTS that will SAVE TRIETY PER CENT. COST in certain departments of any dressing floors.

E L F O R D, W I L L I A M S, A N D C O., COPPER OBE WHARFINGERS, METAL AND GENERAL COMMISSION AGENTS, SWANSEA.

MANCHESTER.

MANCHESTER.

INSURANCE, AND GENERAL SHAREBROKER,
ROYAL INSURANCE BULDINGS, KING STREET, MANCHESTER.

A Monthly Investment Circular on application.

HALSE'S WEEKLY MINING AND SHARE CIRCULAR.—

No. 17 will be ready on Monday. Speculators who may wish to have it regularly mailed to them for the quarter should send 13 stamps to Mr. Halse, 28, Thread-needle-street. No charge is made for the Circular.

Mr. Halse has FOR SALE shares in Grylls Wheal Florence, Wheal Unity, West Wheal Trevelyan, East Scion, and Kelly Bray, at very low prices.

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Original Correspondence.

COLLIERY ACCIDENTS RELIEF FUNDS.

Sir.—I have read with much pleasure your account, in last week's Journal, of the proposition to establish a Colliery Accidents Relief Fund for North Staffordshire, and certainly think that the system of giving bodies of colliers the power of recommending their fellow-workmen for relief is one that will find much favour. I am inclined to think that for each death by colliery accidents there are about five non-fatal accidents of a severe nature, and, perhaps, ten slight ones, which would not throw a man on the

by colliery accidents there are about five non-fatal accidents of a severe nature, and, perhaps, ten slight ones, which would not throw a man on the fund for more than a week or a fortnight. On the average ten fatal accidents leave two widows and ten children to provide for. This would be equivalent to about 5 per cent. of those employed in collieries continually on the funds, so that a contribution of 2d. per week from each man and 1d. per week from each boy would, I should suppose, be all that need be asked for. If the necessary relief can be afforded for this, I cannot see what is to prevent the scheme succeeding. I do not know the scale of the North Staffordshire Infirmary recommendations. Assuming each one guines subscription to give the right to keep one man on the books, every colliery employing ten men and four boys would contribute enough to place the equivalent of one man upon the fund each year; and I much doubt whether the average casualties would reach anything like that.

From the large experience which Mr. Horton Wynne has had in connection with collieries, I know no one who is better able to give the exact probable charge upon the funds than he is, or to calculate the allowances that would meet the exigencies of each case. By making the society, as it is proposed to do, to a great extent self-supporting, there will be no fear of failure, either from want of the co-operation of the colliers, or from any shortness of funds. It would be highly interesting to many readers of the Mining Journal, I am sure, if Mr. Wynne would give some account of the tables he proposes, and the bases upon which they are calculated. It would give the men great confidence were it shown the rate per week that each would have to contribute, and the benefits to be received. I am aware that the rate per week will depend upon the number of subscriptions made; and that every ten men and four boys contributing, the former 2d, and the latter 1d, per week, would be enabled to give 5*l*. 5s. annually to the fund; but I should lik

CARBON.
bacription of 11. 1s. to the North Staffordshire Infirmary gives the right of redding one out-patient at a time; and each 21. 2s. gives the right of recommend in-patient each year.—Ed. M. J.]

COATING AND PROTECTING METALLIC SURFACES.

COATING AND PROTECTING METALLIC SURFACES.

SIR.—So many propositions have been made for compounds to protect metallic surfaces from oxidation, that one is almost inclined to look upon all coating compositions with suspicion; but that which I am about to introduce to the notice of the readers of the Mining Journal is, in my opinion, so entirely free from the objections usually existing, that it would probably be worthy an extended trial, more especially as the inventor—Mr. James Spence—being an engineer in the Portsmouth Dockyard, must be acknowledged to have had an opportunity of acquiring the necessary experience to enable him to ascertain what is really required to ensure efficiency. Mr. Spence's object was to prepare an improved plantic composition, which shall have the property of setting like esments, and yet possess a certain amount of elasticity sufficient to enable it, when applied as a coating to metal, to yield without cracking to the contraction and expansion of that substance under variations of temperature. A composition possessing these qualities he produces by the intimate combination of argillaceous earth, water, oil cake, flab oil, cow hair, and earbonaceous and colouring matter, with Portland, Roman, or otach, like quickly-setting cement. Its elasticity, coupled with its strong drying or hardening property, readers it specially suitable for protecting the internal surfaces of iron ships from the action of bilge-water, and thereby preventing rust or oxidation. He also applies the composition to the preparation of foundations for buildings, to the formation of basement and other floors, and of pavements, and tosimilar uses where hardness, incombustibility, and impermeshieness to moisture are required. The proportions of the several ingredients may, of course, be varied, to suit varying circumstances; but, as an example, it may be stated that, to prepare a cating for the internal surfaces of iron ships, to prevent the oxidation or rust thereof, he takes of argillaceous earth (say) 1000 lbs., and

THE CROWAN MINING DISTRICT-No. IV.

SIR,—In my last I gave a general geological description of this district, referring more particularly to that portion of the parish containing the Great Vor flookan, which induces such large deposits of ore in the lodes re-arranged by it. It is to the east of this flookan, as further south in the referring more particularly to Great Vor flookan, which induces such large deposits of ore in the lodes re-arranged by it. It is to the east of this flookan, as further south in the Vor and Metal Mines, that the lodes have been principally productive, although good deposits have been found to the west—at Carzise and Godelphin. Commencing with the mines to the east, and taking those most northerly—Wheal Mary and Wheal Janey—we find that these mines, so far back as the beginning of the present century, returned, the former 12,0001, and the latter 30,0001, rost; but the quantity of ore raised becoming less at a time of great depression in the copper trade caused a somewhat hasty abandonment. Some distance south is Wheal Mount lode, which, in a short distance, and at a depth little exceeding, I believe, 40 fms., returned a profit of 50,0001. The old shafts and burrows here have been filled in and levelled, and on this spot, so busy a few years since, corn now grows, though under the soil is buried at least 15 ft. of mine debris. Nearly 150 fms. south is Kirton Crof. lode, the bearing of which has been changed 250 by the heave it sustained by the flookan. Immediately to the east of which, after this remarkable heave, occurred a deposit so shallow that much of the ore was visible: 30001. was quickly raised, and a spiendid course of ore anticipated; but a hard channel of capel, of no great thickness, came in, and cut it out. This was quite enough to dishearten the then adventurers, mostly farmers, and the lode received no further trial. This lode is in the northern part of the land recently granted to the Great North Vor Company, and will, doubtless, receive at the hands a good trial, especially as an adit has been driven east on this lode for 300 fms.

Legosrowa Cossocia, now included in the grant last named, was stopped about twelve hands a good trial, especially as an adit has been driven east on this lode for 300 fms. and the lode received no full little triat.

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cently granted to the Great North Vor Company, and will, doubtless, receive at their hands a good trial, especially as an adit has been driven east on this lode for 300 fms.

Leepstrown Cossola, now included in the grant last named, was stopped about twelve years since, having been worked for some years previous. Several thousand pounds worth of tin was sold; but, in consequence of the engine (which was an 18 and 36 in, combined) being totally inadequate to keep the mine free of water, the adventurers, rather than go to the expense of arcting a larger engine, ceased working it. This is the more unnecountable, as their steam-stamps were in full work, and from two good in lodes they were breaking fair quantities of instuff. This result of the last working shows the importance of carefully calculating the amount of steam-power required. In this mine, to the west of the great flookan, there is a small one, against which is a good course of the. This the former party were unable to take down, being fearful of such an Influx of water as would disable them from taking up their materials. To the south of the two tin lodes is a copper lode, of which a high opinion is expressed by the old miners of this locality, and from whence I obtained some of the finest gossan I eversaw. I trust the company now formed will erect a good engine, at least a 60-in, and give all these lodes a proper trial, as I red sure that at no distant date they will receive fair dividends. Returns of this will be made directly the mine is cleared to the bottom, which I hear is 40 fms, below the Godolphin adit at this mine, 16 fms. from grass.

Returns of tin will be med sure that at no dusham test they will receive that vividends. Returns of tin will be made directly the mine is cleared to the bottom, which I hear is 40 fms, below the Godolphin adit at this mine, 16 fms. from grass.

Binnen Consols, adjoining the Great North Vor on the south, has been but little tried. In 1841 Capt, Gregory worked it to the 20, where the lode is over 2 ft. wide, containing blende and copper ore, of which latter 100 tons were sold. This is also under grant, and I hope the holders of the license will proceed vigorously to form a company. A little east, and parallel with the mines I have spoken of, is another run of mines productive, in a direction also nearly agreeing with that of the Wheal Vor flookan.

Nown Binnen Santance of disputes between large shareholders leading to a stoppage of a valuable mining property. The adventurers made a clear profit of 25,0001. This lode, which underlies north, med good courses of ore to the bottom (90 fms.), the average produce being about 141. This lode is known to be valuable; several applications have, consequently, been made for it. The preference, however, itse between the promoters of Binner Downs and East Treasury, the arrangement, I believe, being that the first who has an engine is to have the grant. This may, and probably will, stimulate them to increased activity; but I strongly recommend that it begranted to a distinct company, so that it may be worked energetically. The grants of both Treasury and Binner Downs are large, and contain important lodes, which will require all their capitals to develope them.

SOUTH BINNER Downs (now Binner Downs), which I examined, is now about to start, all arrangements having been completed, with a reduced royalty of 1-30th. An 80-in. engine will be put up, both to work the old lode, which is known to contain large quantities of tin, left by the former works, and to open three south lodes, where I broke a good gossan as could be desired. In the former workings very large profits were made,

irection, and I have no doubt it will enhance the market value of the shares. WHEAL JULIA was worked, on the stoppage of Strawberry, by the same adventurers the Mesars. Williams). In addition to the machinery removed from the old mins, they as as 80-in. endine. A profit of 300,000 is said by the managers to have been made sere, although the maximum depth reached was only 100 fms. from surface. The mines of the west of the flookan, including Old Godolphin, I shall in a future issue recur to, from any law 18.

ON DRESSING METALLIC ORES.

[Notes from a Lecture by Prof. W. W. SMTTH, Royal School of Mines, London.]

The dressing operations we discussed in the last lecture are most import The dressing operations we discussed in the many state of ore dressing, they are not preliminary. We have seen how the sorting, sizing, and picking is ant, although, in considering the whole suggests that picking is but preliminary. We have seen how the sorting, sizing, and picking is carried on, and how some minerals require washing, others merely sizing through sifters and griddles. It will, by-the-bye, under this head, be better to mention a modification of the griddle which has been introduced into the control of the property of the proper Saxony, and in which the axle, instead of being inclined, is placed horizontally. In the interior of the griddle there is a worm, or screw, which, as it revolves, turns the mineral from one end to the other.

We now come to the next question of our subject—the means to be adopted for the comminution of the bulk of the ore, for we find that by far the greater portion of what comes out of the mine is in such large pieces the greater portion of what comes out of the mine is in such large pieces that it requires to be reduced in size. Here arises a great difficulty, in that we have to choose between a great variety of mechanical means for the purpose. In treating the majority of the ores of copper, lead, and zinc it is not desirable to reduce the mineral to a small size, since when brought down to a state of fine division, and mixed with water, a great quantity of the richer parts are lost. Some valuable ores, such as those of silver, which require fine division, are broken by hand to prevent loss, and are sifted for the same reason, in griddles enclosed in boxes.

Now then, as recards the apparatus for communing ores, we have first

the same reason, in griddles enclosed in boxes.

Now then, as regards the apparatus for comminuting ores, we have first the oldest and most simple of all—the pestle and mortar, and which we must not consider valueless from its simplicity and use in every-day life. Where we have rich ores, as auriferous quartz, we may often find the use of the pestle and mortar of great advantage. Thus, in the nines of Transylvania, after reducing the gold rock to a certain degree of fineness, the miners bruise it still further, and amalgamate it in mortars. In gold and silver yielding countries they sometimes use an iron mortar with a very thick bottom, to comminute the ores, and for convenience in emptying the mortar is supported in a frame by a couple of trunnions. It is worthy of notice that many of these old and simple machines have of late been modified and brought out under new names, and, moreover, patented. The cause and brought out under new names, and, moreover, patented. The cause of this has been the discovery of gold abroad and at home, which has induced engineers, unacquainted with the history of mining operations, to take out patents for the adaptation of the old pestle and mortar and similar contrivances. One of these so-called inventions is now to be seen in North Wales, under the name of Mr. Britten's machine. It is nothing else than Wales, under the name of Mr. Britten's machine. It is nothing else than a vast iron mortar of conical form, having a conical pestle resting in it, hung by a loose pivot in the centre of the mortar. The pestle is set in motion by a crank attached to a water-wheel. It is a very useful little machine, but totally incapable of treating any considerable quantity of metal. Of other machines of this sort, we have one, by an American inventor, Mr. Berdan, which was stated to be a great discovery, since it performed the double duty of a triturator and amalgamator. It is a very singular method, though no new idea. The machine consists of a very large castion basin, placed at an inclination, and having below it a strong toothed wheel, set in motion by adjacent machinery. The basin, which contains mercury, water, and the ore, has a number of holes around its upper part to allow the excess of water to escape. Within the basin are put two balls of cast-iron, one weighing about 1 ton, and the other about 7 cwts. As the basin revolves the balls are set in motion and triturate the mass. It the basin revolves the balls are set in motion and triturate the mass. certainly does, to a certain extent, triturate the ore, but it requires a greater length of time to accomplish it, and, after all, does it but imperfectly; and length of time to accomplish is, and, after all, does it but imperfectly; and we may, therefore, consider it inferior to our other modes of comminuting ores. There was one curious thing about the machine, that whilst the inventor conducted the experiments the rock, whether auriferous quartz or Dartmoor granite, always yielded gold; but directly Mr. Berdan disappeared to America, with about 40,000% of English gold in his pocket, the machine would no longer act, nor the rock yield gold.

About the same time that the preceding scheme was proposed, another man proposed to comminute auriferous rocks by loading guns with them, and firing them off against iron plates. Omitting any further notice of such absurb ideas, we will pass to those machines capable of doing their

and firing them off against iron plates. Omitting any lurther notice of such absurb ideas, we will pass to those machines capable of doing their work effectually, and which are employed satisfactorily in our mines. We have, however, first to consider how the largest lumps shall be broken. When reduced by hand it is termed spalling, when by large hammers, tilting. These large hammers are not satisfactory, first, because it is difficult to keep them in constant work, and, secondly, because they beat the ore with too heavy a blow, and we may, therefore, always consider hand spalling preferable. There is working now in Wales a stone-crushing machine, invented by Mr. Blake, which is well worth mentioning, as it seems capable of getting through an enormous amount of work. It was invented for breaking up stones in mending roads, but we think it might invented for breaking up stones in mending roads, but we think it might be applied with advantage to crushing ores. We have next a large class of machines called edge-runners or arastras, almost exactly similar to the machines used in the pottery districts for grinding flints. They consist a machines used in the pottery districts for grinding flints. They consist a a circular basin paved with blocks of hard stone. There is an upright axis in the middle of the basin, to which is attached cross arms, and at the ends of these are placed pieces of hard stone, such as chert. The mineral to be crushed is placed in the basin, and, the stones being made to revolve by machinery applied from the central axis, the ore is crushed to powder. The objections to this mode of comminution are that it is extensely slow, and it requires great care and attention to keep the mineral contraction. tremely slow, and it requires great care and attention to keep the mineral under the stones. The latter difficulty is somewhat obviated by the addition of scrapers, which continually drag the ore under the stones. This sort of machine has been used in triurating arriferous quartz, but is quite inadequate where the quantity to be broken is large, as it is in Australia. A modification of the above is that of two large circular stones edged with item, and made to revolve in a basin by the same arrangement as in the iron, and made to revolve in a basin by the same arrangement as in the previous case. It is a serviceable form of machine for grinding down small quantities of ore to an impalpable powder. This fine grinding is, however, in the case of copper and tin ores, very objectionable, as on their reduction to such a fine state of division there is an invariable loss in the

duction to such a fine state of division there is an invariable loss in the subsequent processes. It is well in dressing all ores to remember that the particles should always be kept as large as is consistent with the separation of all impurities, and we should avoid the great fineness of particles, unless the ore is to be subsequently amalgamated.

We now come to the machine called "the crusher," common to the mining districts of England, Germany, &c. It is difficult to determine when it first came into use, but it was probably about the year 1810; for we learn that it was used at an early date in the Tavistock Mines, whence it was carried to Germany, the machine being essentially an English init was carried to Germany, the machine being essentially an English invention. The principle of the machine is that of two rollers put into motion in an inverse direction, and cruhing the mineral between them. The rollers themselves are generally of small length, say from 1 ft. to 1 ft. 6 in. their diameter being from 24 to 30 inches. The material of which they should be made is best selected No. 3 iron; and in as much as it is desirable to remove the outer case when worn, the iron face is merely a shell. The axle of the collars are connected by spur gearing with the crank-shaft of a steam-engine, or some other prime mover. The rollers revolve in brass bearings in a massive frame. The bearing of one of the rollers is fixed, that of the other moveable, it being held in its place by a long powerful lever. The object of this arrangement is to admit of a widening between the rolls if any hard substance, such as a piece of iron, should get mixed with the ore to be crushed. Some of the crushers constructed in the North of England and the Hastry Mines consist of three pairs of rolls. the North of England and the Hartz Mines consist of three pairs of rolls, commonly 3 feet in diameter. The upper pair are fluted, and the ore partially crushed in passing through them; from these it falls to a second pair, where it is further reduced, and at last passes through a still finer pair. These machines are very costly, and cannot be erected for less than 500%. to 600%. For the usual purposes, however, we can but consider the form of machine common to Cornwall and the Hartz as better than this more complicated one, and the colls objection to the single pairs for like in fact that the control of the contro more complicated one; and the only objection to the single pair of rolls is, that the ore must be roughly spalled by hand before it enters the machine. The only use of the third pair of rolls is where the stuff is very hard, and the surface of the second pair becomes grooved and, therefore, does not effectually perform its duty. The question now comes, shall the ore be crushed wet or dry? Sometimes we have it solved for us by the impossicrushed wet or dry? Sometimes we have it solved for us by the impossibility of crushing the ore dry, as in the case of hard copper ores in slimy slates. There is also another point of great importance—the speed or vestates. On this head it is fully slates. There is also another point of great importance—the speed or velocity at which the crushing shall be performed. On this head it is fully established that the rollers do their work most effectually when the cir-

comference revolves at the rate of 30 ft. to 45 ft. per minute, 21 ft. in diameter ought to make from four to five revolutions per a At some mines, and the Devon Great Consols is one, they present the rolls of different lengths, so that when the surfaces become and smaller roll shall fit into the groove of the larger, and so steady the whole machine. Good crushers are capable of getting through an immense of work; and such a machine, with rolls of 30-in. diameter, is capable. of work; and such a machine, with rolls of out-in manners, is espained crushing 15 tons of good-class ore per hour. When the ore is por, as the rock harder, we may expect such a machine to get through from 5 is 6 tons per hour.

FOREIGN MINING AND METALLURGY.

FOREIGN MINING AND METALLURGY.

The proposed line of railway from Lille to the collieries of the Patche Calais has been received very favourably, and the subscription for the expital required (80,000L), has been completely filled up. More than 60,600 was made available by the towns of the rich departments of the Nord and the Pas-de-Calais. We referred last week to the efforts of the long masters of the Haute-Marne to improve their canal communications, and we may now state that the forgemasters have made an advance of 32,000L, without we may now state that the forgemasters have made an advance of 32,000L, without terest, to the French Government, to facilitate the early execution of the Virty R. Dizler Canal, the Government in its turn engaging to devote to the work a sum of 100. The A-calemy of Sciences has received a communication of a highly interesting science of the state of the state

To come back from all this magnificent antiquity to the hard, dull realities of the present, we may observe that the situation remains rather indifferent at St. Dizier—in fact, it is described as mediocre. Pig for refining remained without any known transaction; offers are made by producers of charcoal-made pig at 41. 12s. per ton, which was the average quotation for May. The orders received for iron have been a little better sustained, at 91. to 91. 4s. per ton. From the Moselis group it is stated that the rise recently announced has not sensibly checked order. It should be added, however, that the advance has only been effected within a most restricted radius. Beyond this radius—at Paris, for example, and the department of the Nord—prices have not experienced any variation, the competition of the other group rendering an advance impossible. The French Costoms' authorities have hither of silet to register publicly the imports effected under the regime of warrants, but it is stated that the Minister of Public Works has given an assurance to the committee of French forgemasters that a table on the subject will in future be comprised in the official returns. It appears that during April there were imported into Paris 3451 tons of tros free construction purposes, and 1537 tons of pig. As compared with the quantities entered in April, 1663, these figures show an augmentation of 1605 tons in the imports of rea, and 140 tons in the imports of pig. English pig is quoted in warehouse at Marseilles is 51, per ton, and for consumption at 51, 16s, per ton. We announced recently that sea, and 160 tons in the imports of pig. English pig is quoted in the portion of the department of the Moselle bordering on the province of the Luxembour, and we shall not a subject to the content of the content of the content of the content of the subject of the sub To come back from all this magnificent antiquity to the hard, dull reali-

siderursy in this district will not stop at this point, the blast-farances of the locality being placed in excellent condition in respect to production, for as minettes scarcily out them anything they can furnish pig at very cheap rates."

It is remarked that the demand for plates has been for some time more active at St. Dizier. England, among other customers, takes large quantities of plates for the sheathing of ships and other purposes. The rolling works producing plates are very basily occupied, and the fabrication is still extending. Estils continue also to occasion great activity, and, although the orienhave not been quite so numerous during the last few weeks, works are now applying themselves to the completion of contracts concluded long since. The firmness of prices is maintained, refining pig being quoted at 3t. to 3t. 8s. per ton, according to quality; casting pig makes 3t. 1ds. to 4t. 8s. per ton, 8s. 6 to 1, with a scale of 2s, per sumber; rolled iron is quoted ct. 16s. to 7t. per ton, for No. 1; 7t. 8s. to 7t. 12s. per ton for No. 3; rails, 7t. to 7t. 4s. per ton for No. 3; rails, 7t. to 7t. 4s. per ton far administration of 16s. per ton is made for thickness between ½ and 1 millimetre and 1 and 2 millimetres. It appears from the proceedings at the annual meeting of the Central Beigian Railway Company that a covereliae has been concluded with the Strepy-Bracquegnies Mining Company, on order to construct on of the branch by means of a subaldy of 40-00t. and an advance of 8000. From the accidents which appear, so to speak, inevitable in the working of mines. This is 32 accidents reported its 4th administrative commission of the savings bank of the operative miners of Lidge, it results that during the exercise 1863 the bank has still had despete the accidents which appear, so to speak, inevitable in the working of mines. This is 32 accidents reported its 4th year and the administration considers that the legistical miners of Lidge, it results that during the exercise 1863 the bank has still had despe It is remarked that the demand for plates has been for some time more

selves seriously to the creation of new ones. It is in this general direction has referred to the foreign metal markets, we may note that at Paris English copper has fallen 21.L. per ton; on the other hand, at this market, as well as at Havre, Chilian has regained more firmness, and is sustained at 88L to 90L per ton. At Paris, English in plates has been quoted 98L, ditto tough cake, 93L; Lake superior, 122L; Chilian, 88L, to 90L; Corocoro mineral, 92L; rolled red, 106L; and yellow, ditto, 90L 48. At Havre, Chilian and Pervisin is bars have made 88L to 88L 10s.; Peruvian mineral (pure standard), 99L; United 81sts, in bars, 80L; Russian, 108L to 120L; old yellow copper, 50L to 89L; red, ditto, 98L; in bars, 80L; Russian, 108L to 120L; old yellow copper, 50L to 89L; red, ditto, 88L; and has been quoted 11st in the market to 15 fb. to 120L; old yellow copper, 50L to 89L; red, ditto, 88L; and languishing state; the result of the approaching public sale of the Duich Society of Commerce will certainly exert an induence on the position of the article, but the estimates formed do not appear every favourable, Banca having fallen this west the Dutch market to 5 fbs. At Paris, Banca has been quoted 11L to 112L; betroit, 10L; and Revillah, 109L, per ton. At Havre, Banca has been quoted 11L to 112L; betroit, 10L; revivan, 88L to 100L; and Peruvian mineral, 96L per ton. Lead is less sought after the principally to speculative affairs. At Paris, Spanish saumons have brought 20L 12s. to 20L 16s per ton. At Havris the article has slightly failen, rough Stiesian being quoted 25L 4s.; rolled, 22L; and Viellie-Montage, 30L, per ton. At Breslau and Hamburg the demand is active; on the latter mather especially.

LIMITED LIABILITY COMPANIES.—A return just presented to the House of Lords, on the motion of Lord Overstone, states that since the Joint-Stock Companies Act of 1856 came into operation 3820 limited liability companies have been registered; 383 of them have been wound-up, or are supposed to have been discontinued, it will in operation. These companies proposed to make their shareholders liable for

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ed 98%; mineral, uvian in d States, a Piata, b, 88% to ticularly n prices. te Dutch ticle, but week on nd Eng-t, 108%; th after, one have t Havre, a good focie le montage,

45,100.622. that being the amount of their nominal capital. The following figures are graty below the fact, the returns for the last 12 months not having been received in the special posses, but it has been ascertained that there were 200,128 shareholders, that of the state of the special posses in the special was divided 10,110,588 had been taken, and that gals amounting to 37,195,5961, had been received.

SOUTH WHEAL FRANCES, AND WEST WHEAL BASSET.

The long-protracted dispute between West Basset and South Frances
Mines was decided in the Court of Exchequer Chamber (Sittings in Error)
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Mines was decided in the Court of Exchequer Chamber (Sittings in Error)
My between the South Frances was originally the plaintiff had been carried to the
Supreme Court, and in every case decided in favour of South Frances. In
Supreme Court, and in every case decided in favour of South Frances. In
Supreme Court, and in every case decided in favour of South Frances. In
Supreme Court, and in every case decided in favour of South Frances.

In Supreme Court, and in every case decided in favour of South Frances to set aside that verdict, with which he said he was diseabewert, to South Frances to set aside that verdict, with which he said he was diseabewert, to South Frances to set aside that verdict, with which he said he was diseabewert, to South Frances to set aside that verdict, with which he said he was diseabewert, to South Frances to set aside that verdict, with which he said he was diseabewert, to South Frances, in case the Court of Error, to which they referred the question
saw risk, at south events, in case the Court of Error, to which they referred the question
of law, should not decide in their favour upon the law. This was the raie argued on
the 18th June.

Mr. Mortauce Smith, Q.C. (with whom was Mr. Karslake, Q.C.), appeared for South
Mr. Mortauce Smith, Q.C. (with whom was Mr. Karslake, Q.C.), appeared for South
Heart Sallard, appeared for the respondents (West Basset), and argued that the
Mr. Heart Ballard, appeared for the respondents (West Basset), and argued that the
Mr. Heart Ballard, appeared for the respondents (West Basset), and argued that the
was an ambiguity which would let in the rule of law that the grant must be
there are a manigularly which would let up the SOUTH WHEAL FRANCES, AND WEST WHEAL BASSET.

page gas and the process of the control of the control began and their process house, and which the process paid into Court 5231. For the core taken beyond the line from the control of the page gas and the process paid into Court 5231. For the core taken beyond the line from the court of Exchequer and court of the house, and which has now been distermined by the Court of Exchequer Chasber. As we have the court of the court below on this point passed without notice in form against the appellants, our religious therefore, reverse the judgment of the Court to Queen's bench, but it is on a spoint spice. The was an action in which the question has been whether the plaintiff of the court of ant of the Court. GENERAL: I understand the order to be to reduce the damages, on the

feeting of a line to the north-east corner?

Mr. M. SMTPRI: Or to enter the verdict if the arbitrator finds that enough has been paid into Court?

pld into Court?

SOLICION-GENERAL: Yes; if the arbitrator finds enough has been paid into Court.

Mr. M. SMTRI: Then to enter the verdict.

LOED CHEEF JOSTRICE ERLE: As the Chief Baron says, we have nothing to do with the fatt. The narrow question was, the construction of that instrument in effect of 1831, was that for the Judge? This is a point we have answered in the affirmative, and put a construction upon.

	1	RICE	SOF	MA	T	ER	IALS,		
ged	at	SPEARN	MOOR	MINE	in	the	following	months:	-

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ditto	***************************************		-		0 6

MINING MACHINERY.—An improved apparatus for boring and cleaving one has been invented by Messrs. Folglage and Cox, of Truro, which consists in employed a series of Jampers, elevated by suitable cams upon an axie. They propose an axientally propose and the suitable cams upon an axiental propose and selection of singlated cutting instruments. The motion is imparted to them in the usual way.

Meetings of Mining Companies.

DOLCOATH MINING COMPANY.

DOLCOATH MINING COMPANY.

At the June bi-monthly meeting, held at the account-house on the mine, there was, as usual, a large attendance. The accounts showed—By sale of tin ore (173 tons 1 cwt. 2 qrs. 15 lbs.), 1,1,62; 1 ks.; arsenic, 60/1, copper ores, 486/l. 2s. 11/1, total credits, including sundry small receipts, less lords' dues, 11,297/l. 16s. 6d. A profit of 2535/l. 16s. 1d. was shown, and a dividend of 7l. per (358th) share was declared (2506/l.), and a balance of 7l5/l. 12s. 4d. was carried to the credit of next account. The report was a most satisfactory one, and the resources of this mine it is computed, without further discoveries, will give highly profitable returns to the adventurers for at least a quarter of a century. The manger adia to the report that the average price of tin for these two months is 5l. per ton test than for the previous two nonths, and 6l. cs. per ton less than for the last 11 years to end of 18s. Grean gave the usual toasts, followed by the health of the lord of the mine (Mr. Basset), who, he was glad to eay, had returned to London in restored health. (Applasuse.) He next proposed "Continued Success to Dolcoath Mine," with which he would connect the health of the manager, Capt. Charles Thomas. He was quite sure they would, "one and all," most confinity respond to this toast. He congratulated the shareholders on the result of the meeting to-day. The man who seven years ago would have ventured the opinion that with the present price of the Dolcoath could give 7t, per share dividend would have been refer. They had 7t it sangular and visionary in his view. It was no less matters of the meeting to-day. The man who seven years ago would have ventured the opinion that with the present price of the contradiction, he could confidently search that there had been no certailing, either of underground or surface operations; everything pertaining to the mine was carried forward just the same as if the had confidency and the prevent of the contradiction of the contradiction, the could confi

sorne and retirati. We notice in the report of last week that a winze such 7½ first, below the 266 is worth 1001, on an average; this winze is within about 3 fms, of the back of the 278, which is the bottom level. The agents' report the tin is dipping east, and Capt. Thomas, the able and respected manager, states he fully expects to find the bode as good as ever in the 278, in a few fathoms further east. At the previous meeting a statemant was made to the shareholders, that the resources and discoveries more than kept pace with the returns, the latter being about 60001, per month, while the discoveries were estimated at 67001.

SOUTH FOXDALE SILVER-LEAD MINING COMPANY.

SOUTH FOXDALE SILVER-LEAD MINING COMPANY.

The second annual general meeting of shareholders was held at the company's offices, Waterloo-place, Pall Mall, on Wednesday,

Mr. Tilson in the chair.

Mr. C. Strong (the secretary) read the notice convening the meeting, Mr. Roach demanded admission to the meeting, as solicitor to, and representative of, Mr. Murray, a shareholder; but not being himself a shareholder, or provided with a proxy, the directors decided that he could not be a 'mitted.

The report of the directors and statement of accounts, of which the subjoined is an abstract, were submitted:— DIRECTOR's IRFORT.

In calling you together at this the second annual general meeting, your directors do so under auspices and with prospects far more encouraging than have existed since the formation of the company. Many concurrent circumstances have hitherto operated to delay placing the shares, and retarded the development of this undoubtedly most value invested in the numerous banks and other companies introduced within the last two years, and the prevailing high rate of interest. Seeing, however, that no immediate cessation of these causes was likely to take place, and apprehensive that any further delay might be prejudicial to this company, your directors determined to use every exertion to obtain a steam-engine, the aid of which was indispensable to obtain the rich ores within view. This they have procured, and have reason to believe that within three months from this date it will be at work. As strong evidence that they do not over-rate the capabilities of this property, they have much pleasure in directing your attention to a late saie of 15½ tons of ore, which, not withstanding the present imperfect means of dressing, rasised the fair price of 15½. So per ton, amounting, together with a sale of about 8 tons of bende, to 253f. This may be accepted as an earnest of what the mine is capable of yleding with the aid of machinery. It is the opinion, not only of your directors, but of all who have visited these mi

ı	DR.—Amount paid on 1369 shares allotted	938	15	0	
l	Purchase money of mines, in paid-up shares ?	500	0	0	
1		207	13	6	
1	Advances by managing director for carrying on works at mine	018	7	3= £10,664 15	9
ı			•		
ı	CR.—Preliminary expenses£		4	0	
ı	South Foxdale lease 7	514	14	0	
į	Mine cost, agency, stores, &c 1	816	2	3	
į	Plant and machinery	503	16	8	
I	London expenses	484	8	5	
ı	Law expenses	63	0	0	
ļ	Incidentals	41	15	2	
i	Cash at bankers	100	15	8= £10,664 15	9
1	Mr. LLOVE enquired who appointed Mr. Strong countern		A sail	bother ble appoin	st.

at the time the arrangement was made they were in such a position that they were obliged to accept Mr. Hopgood's terms—they had no alternative but to accept them as he offered them. As he (Mr. Edwards) understood it, Mr. Hopgood promised to place as many shares as he could, but distinctly declined to give any guarantes,——Colone! CAwbon concurred in this opinion.

The reports and accounts were then adopted, and the meeting was made special, to receive a series of resolutions proposed by Mr. LLOTD, and seconded by Mr. BURTON, who alone voted for the first, the remaining three being proposed and withdrawn. They were—1. That the remuneration to the managing director is too much, and that it be reduced to 1601, per annum for the eight directors is too much, and that it be reduced to 1601 per annum of 4001, per annum for the eight directors is too much, and that it be reduced to 1601 per annum of 4001, per annum for the eight directors is too much, and that it be reduced to 1601 per annum of 4001, per annum of the eight directors is too much, and that it be reduced to 1601 per annum of 4001, per annum of the eight directors is too much, and that it be reduced to 1601 per annum of 4001, per annum of the eight directors did certain contract work for the company (advertising, printing, &c.), for which he demanded 1601, he has thereby become disqualified under clause 75.

4. That, whereas Mr. Hopgood participated in the profits of an engine purchased by and for the company, he had thereby also become disqualified.

These propositions were thus answered—1. That the amount was not too large, and that the lananging director declined to do the work for less.—2. That the directors were not too well paid.—3. That the 1601 (not yet paid) was simply a resolution authorising the managing director to spend money not exceeding that amount on behalf of the company;—and 4. That the purchase of the engine through Mr. Hopgood was a matter of convenience to the company. There was no disqualification, lussmuch as in the last two transact

CROWAN CONSOLS COPPER MINING COMPANY.

The retiring directors (the whole board) were, after some unimportant discussion, reelected, and thanks were voted to the Chairman.

CROWAN CONSOLS COPPER MINING COMPANY.

A special general meeting of shareholders was held at the offices of the
company, 25, Bucklersbury, on June 17,—Mr. H. L. PHILLIPS in the chair.

Mr. C. WARWICK (secretary) read the notice convening the meeting.
The balance-sheet and accounts for the eight months since the last meeting, showing a further expenditure on the mine of 25646, 28, 8d., and a
return of ore in the same period of 5061, 5s. 8d., were taken as read.

The Chairman then called the attention of the meeting to the object for which the
shareholders had been called together, and which had been already piaced before them
individually by the circulars that had been issued—to submit the present position of
the company, and take their opinion as to a voluntary liquidation, with a prospect of the
an equivalent for the sum already aubscribed. The director has haveholder could obtain
an equivalent for the sum already aubscribed. The director of the company, and take their opinion as to a voluntary liquidation, with a prospect of the
an equivalent or the sum already aubscribed. The director of the company and take their opinion has the would not be predent to incur further liabilities with all the subscribed capital exhausted. He (the Chairman) should now move
the first resolution:—The air is appears y the Impection of the books of the company,
the first resolution:—The director of the books of the company,
and the first resolution:—The director of the books of the company,
and the first resolution:—The director of the books of the company, and
the first resolution:—The air is coppany shall be wound-up voluntarily.

Mr. T. C. Shirit wished, before the resolution was put to the meeting, to equive what
were the prospects of the whole capital belief subscribed for his the new company, and
to be a subscribed to his recent journey thister, who would not be intended to the continuity

ST. JOHN DEL REY MINING COMPANY.

ST. JOHN DEL REY MINING COMPANY.

The thirty-fourth annual meeting of shareholders was held at the London Tavera, yesterday,—Mr. JOHN DISTIN POWLES in the chair.

Mr. JOHN HOCKIN (the managing director) read the notice convening the meeting. The report of the directors (an abstract of which appeared in last week's Journal) stated that the total produce of gold at Morro Velho for the year ending March 22, 1864, was 476,005 otts., against 529,193 otts. for the corresponding preceding year. The nett profit on the working of the mines for the year ending March 23 has been 63,2864, 11s. 4d. The balance of interest on funds in hand that has accured during the year has been 528, 4s. 4d. The amounts being carried to the credit of profit and loss account leaves that account in credit, after paying the half-yearly dividend, due on Dec. 25 last, the sum of 27,7551, 13s. 7d., out of which the directors proposed a dividend of 24, 10s. per share (free of income tax), amounting to 27,5004, leaving the credit of profit and loss 2651. 13s. 7d. To enable, however, the directors to recommend so large a distribution of the profits of the year, they have been compelled, in the exercise of the discretion given them by the thirteenth article of the company's regulations, to forego making any addition to the reserved fund out of the profits of the year. This step, under ordinary circumstances, they would have deemed most undestrable, as they consider that the reserve fund should be augmented to the full amount contemplated at the earliest possible date. In consideration, however, the full amount contemplated at the earliest possible date. In consideration, however, the full amount contemplated at the earliest possible date. In consideration, however, the full amount contemplated at the earliest possible date. In consideration, however, the full amount contemplated at the earliest possible date. In consideration, however, the full they think that the present occasioned by the casualty in the Bahu Mineon Feb. 13 they think that the pres in the West Quebra Panella, the stopes have, however, been considerably lengthened during the year. The average standard or yield of the ore, after rejection of the killas and other unproductive portions, and after pulverisation by stamps and arrastres, for the year ending Dec. 31, 1863, has been 7.032 oits, per ton of creatamped; the produce from re-stamping and re-grinding the sand (by arrastres) at the Praia has been in addition a yield of '493, giving a total yield per ton of ore stamped for 1863 of 7.467. The average yield for the year ending Dec. 31, 1862, was 7.590, and from sand re-treated at the Praia .390, giving a total yield per ton stamped for 1862 of 7.980 oits. The yield of gold per ton of ore raised to Dec. 31, 1863, has been 5.169, and further by re-treatment at the Praia .337, giving a total yield per ton raised for 1862 of 5.937 oits.; the yield of gold per ton of ore raised to Dec. 31, 1863, was 5.637, and further by re-treatment at the Praia .397, giving a total yield per ton of ore raised for 1862 of 5.927 oits. The loss of gold in treatment for the year ending December 31, 1862, it was 2.6376 oitswas or 23.74 per cent.; for the year ending December 31, 1862, it was 2.6376 oitswas or 23.74 per cent.; for the year ending December 31, 1862, it was 2.6376 oitswas or 31.74 per cent. 5.65 several figures show—1. That the total average quantity of gold extracted from the ores (freed from kills and other unproductive stone) was 0.913 oits, per ton less in 1863 than in the previous year.—2. That taking the whole quantity raised from the ones (the main state of the calculation, the total average quantity extracted was only 140 oits, less in 1863 than in 1862.—3. That the amount of unrecovered gold, both per ton and per cent., has been less during 1863 than unique and previous year, and that, therefore the amount of unrecovered gold continues to decreas year by year, a fact highly create the amount of unrecovered gold continues to decreas year by year, a fact highly create the amount of unrecovered ye decrease in the produce, but the chief causes of its notable decline are the reduced isld of the ore stamped through the year, amounting to half an olawa per ton (caused by the ore not being so thoroughly fread from killsa), and the more serious decline in the yield during the period from Feb. 13 to March 22 last, when, in consequence of the casualty in the Bahu Mine, no ore could be extracted from the most easily worked and most productive part of that mine. Very little progress has been made during the year towards converting the Cachoeirs and the nature of the old wooden-pumps, have rendered the more rapid sinking of the Cachoeirs and the failure of the old wooden-pumps, have rendered the more rapid sinking of the Cachoeir impracticable. These and other considerations connected with the future working of the mines make it necessary that this question of the main sump should receive further deliberation on the spot at an early date; and the board have accordingly instructed Mr. Gerdon to lose no time in bringing the matter before the mine conference, in order that it may receive the careful and deliberate consideration of the mining captains and most experienced miners. It will be a subject of more than mining captains and most experienced miners. It will be a subject of more prorion, however, as the lode in the Cachoeira contracts, and that in the Bahu expands, the difficulty of carrying it out increases. The lode in the widest part of the Bahu has now reached the extraordinary width of 100 feet. To carry into effect the proposed change, it would be necessary to sink more rapidly in the Cachoeira than in the Bahu, but the facilities for sinking, in the pre-ent relative conditions of the two mines, are greater in the Bahu than in the Cachoeira. The dimensity of finding ore enough for the stamps, without availing of the wide part of the Bahu, increases, too, in the same proportion. It is a subject that requires the gravest consideration, and, until the result of the deliberations on the spot be communicated

The following is the financial position of the company :-					
In England-Cash at Messrs. Barclay and Co £ 1,787	9	11			
Ditto, at London Joint Stock Bank 10,000	0	0			
Bills receivable 10,000	0	0=	£21,787	9	1
To pay-Dividend now proposed			27,500	0	ľ
In Brazil-Cash at Morro Veiho on March 1 £ 4,781				-	
Ditto at Rio, at interest with the London and					
Brazilian Bank 22,921	6	4=	27,702	13	
To pay-Personal accounts £ 2,776	6	6			
Estimated expenses of working the mines					
for March and April 20,000	0	0=	22,776	6	
The reserve fund consists of—					
Newcastle and Carlisle Railway Debentures £ 4,000	0	0			
Three per Cent. Consols, 92731. 5s. 8d., cost 8,674	3	10			
Newcastle property 14,136	17	9			
Great Western Railway Debentures 3,000	0	0			
South Western Railway Debentures 4,000	0	0=	£33,811	1	

Looking through that report, and seeing the enormous extent of the lodes possessed by the company—such as few mines in the world could be reported as possessing—share-holders would not wonder at the actions expressions there employed. And Mr. Gordon, the superintendent, concluded his report as follows:—"Looking carefully at the whole circumstances of the mine as presented at the end of 1869, and reviewing the difficulties, present to make us reconciled to what has been accomplished, and to reduce a sufficient forward to a condition of the mine works and a period of the mine development that will be as profitable and satisfactory to the proprietors as any they have hitherto experienced. There is the mineral available on a scale the extent of which is not fully known, a good stock of every requisite material, an ample and augmenting force of labourers, and, by conserving our water power and effecting some improvements in its distribution and application, there is reason to conclude a good return can be obtained from the mine on the capital employed in fairly working it." serious character had the state of the serious of the serious character had the serious of the serious of the serious character had the serious of the serious character had the serious of the serious of the serious character had the serious of the serious character had the serious of the serious of the serious character had the serious c

path were re-appointed auditors.

A vote of thanks to the Chairman and directors terminated the proceedings.

[The latest reports from the Mines will be found in the Supplement to this day's Journal.]

KAPUNDA MINING COMPANY.

The fifth annual general meeting of shareholders was held at the London Tavern, on Monday,—Mr. Brice Hugh Pearse in the chair.

Mr. J. D. Kennedy (secretary) read the notice convening the meeting.

The report of the directors (which appeared in last week's Journal) as read.

The report of the directors (which appeared in last week's Journal) was taken as read.

The CHAIRMAN said the present was the first annual meeting that had been held after the holding of an ad interim meeting, and, therefore, the proprietors had been made pretty well acquainted with the result of the mining operations of the year, even before the report of the directors was issued. He thought he might safely say that the company was once more in the ascendant position. The year 1862 was, to a certain extent, an improving one, because, although it resulted in a loss, the general results were considerably better than the preceding corresponding period. By placing against the profit and loss account the sum of 10001, the permanent charges account had been reduced to 20001,—that also was an improvement. It would be observed at the end of the abstract of the working account that the profit on the year's working was based upon estimated balances; he need hardly say that the balances must to a great extent be estimated, but, at the same time, he could, assure the meeting that the estimates were made upon the lowest possible valuation of the stock of copper on hand. Of course, they were greatly disappointed at the present state of the market, prices being so much lower than they were a few months since. As regards the general balance-sheet, there was one item which did not often appear in their accounts. He referred to the item of 10,5001, on account of ionse, which arose in this way—when the price of copper suddenly fell, the board was left with a considerable quantity on hand, which they could not or did not want theu to sell; and bills had been drawn against it, the loans being contracted to provide the means to pay off the bills. Besides those bills another had been paid, which was drawn upon the manager subsequent to December, 1863; so that the board, of course, felt justified in having an asset of 32731, against a certain quantity of copper per the Indus, against which that bill was drawn. As regards the colonial

cash, he might mention that although there was a very much larger balance of debt in the colony than at the beginning of the year, that amount was most fully represented by the quantity of copper in the colony, and by April 26 that balance was reduced some 50001. Having referred to the extreme repret sit by the board at the decease of Mr. Routh, than whom none could possibly perform the duties of a director more efficiently or assiduously, the Chairman stated that the board had not thought it necessary to exercise their prerogative, under the Deed of Settlement, of filling up vacancies at the board between general meetings, nor did they at present recommend it, so that the directors' remuneration would be reduced. He might further mention that the manager had informed the board that in driving one of the culverts leading to the large stack chinney, and at a short distance from the smelting-furnaces, some very good ore was intersected within 6 ft. of the surface, where there seemed every prospect of having a good lode of ore. He concluded by moving the adoption of the report.

Mr. ALEMBERS seconded the proposition.

Mr. WILSON considered that the results consequent upon an increased expenditure did not seem at all proportionate—in other words, they did not seem to have gained much by the outlay.—The CHAINNAM said that apparently such was the case; but in the report for 1862, the expenses had diminished from the decreased productiveness of the interest of the termine, and there were produced about 140 tons of copper in excess of the former year.

Mr. CLS, Bacor mentioned that comparing the out-turn of last year with that of the year previous, the quantity of fine copper produced was 622 tons in 1853 against 478 in 1862. That increase, or course, had augmented the expenditure.

Mr. Duczoz thought that a dividend of 1s. per share was small, considering the quantity of profit made, —The Chainnam approach the expenditure.

Mr. ALEMANDER need hardly say that the directors were as anxious as the shareholders could poss

ANGLO-BRAZILIAN GOLD COMPANY.

The first ordinary general meeting of shareholders will be held at the London Tavern, on Friday next, when the report and accounts, of which the subjoined are abstracts, will be submitted:—

Dn.—Capital received£24,98	5 0	0			
Premiums and interest 1,65		2			
Gold dust received 8	7 3	0			
Sundry creditors 3,51	2 1	8=	£30,211	5	10
Cn.—Sundry debtors £ 1,03	6 15	9			
Purchase of Passagem Estate 16,96		6			
Material, stock, &c 1,23	7 11	2			
Outlay on works	4 15	3			
	5 12	5			
Preliminary expenses 91	8 11	6			
	2 17	4=	23,219	14	11
i de la companya de l				_	-

There will be a special general meeting immediately after the above, in order to exunge a clause in the articles objected to by the Stock Exchange Committee.

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING.

The Mining Share Market continues very inactive; the chief business doing appears to be in the leading market mines, the whole being a pacculation for the rise or fail, without any intention of holding or investing. The present unfavourable aspect of the political world is considered by some as the cause of the present depression; but experience has taught us that at this season of the year the market generally is duil.

WEST SETSOS have been and continue in good request at higher rates.—WHEAL SETONS have also been freely dealt in at present prices.—CLIFFORDS have functionally and the provider of the property of the property of the provider of

great success. A cross-cut is being driven to intersect the lodes, two of which are expected to be shortly cut; the more northern one, being a recent discovery, is 3 ft. wide, carrying good copper ore.

Great North Downs.—The general prospects of this mine are daily improving, and there is every reason to believe that it will ultimately become as productive and profitable as its neighbour, Wheal Rose. Too much importance cannot be placed upon the fact that the engine of Wheal Rose completely unwaters the main lode of Great North Downs to its own depth, which not only enables them to work dry, but lessens the expenditure to a very considerable amount. King's (or Boundary) shaft is down 11 fms. below the 57, the lode is 12 ft. wide, and the 4 ft. which is being carried is worth 501. per fathom. A winze, sinking below the 57, 26 fathoms west of King's, is down about 3 fms., and the lode is worth from 291, to 301, per fathom. Sieggan's shaft is 70 fms. west of King's shaft, is down below the 57, and producing fine rocks of ore. Vivian's engine-shaft is nearly 300 fms. west of King's, on the same lode, and deriving the same advantages of being drained completely dry. They have commenced clearing up South Hawk shaft, where report states that a good lode will be found. They sampled on the 15th, 149 tons of good ore, being the produce of two months' working.

ered new lode, and to intersattended with important resu

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count and cross Capt know that of ca of the cross to be in S the C rock equipment for billi

of shares remaining to be allotted is limited, an immediate application is advised as strongly recommended.

From Mr. James Croopers:—The most prominent of the depressing infuences on the apeculative markets is, certainly, the Danish question, which appears for trom a solution on the basis of peace as it has ever been. The record, therein, of the actual state of things must be that they are, if at all changed, more prostated they were least week. Jobbing in shares excepted, the Mining Market is witned, matton, and must continue yet some time longer, although prices of good share may undergo any further fluctuations. The contingencies on the favourable side are set under and at present unforescen moves by one or more of the great continual power in the interests of peace, the conduct of England with the same object, and the drawn into the question the element of expediency, to avoid what may be called a war sinterace. Supposing this last-named contingency to take effect, there would be an administrative, and it is the safest course, therefore, for investors at specialors to be prepared for it by securing first-rate shares, at an average degression price, and not wait for a lower point, should it arrive, which few can avail of, hanced improvement in all the markets, and it is the safest course, therefore, for investors at the top of the same point is underfined, whilst a depreciation as a comparative question issivit appreciable. Thus, for instance, if Devon Consots, from 570, per share, were team to 550f., it would be a more prudent course to buy them than to wait for a further sit, which might never come, and a similar argument would apply to all other dividend share, of which 52 paid dividends in 1864, the remainder in 1863. They were lust which my state of the same properties of the same properties of the same properties. The same properties of the same properties of the same properties of the same properties. The same properties of the same properties of the same properties of the same properties. The same p From Mr. JAMES CROFTS: - The most prominent of the depressing in

PROVIDENCE, ST. IVES CONSOLS (recently improved). A rambie name priced dividend stocks show abundant choice for invastors—ex. gr. South Calabor, priced dividend stocks show abundant choice for invastors—ex. gr. South Calabor, Devon Consola, Seron, Withea Bassart, Minera (producing 600 tons of leaf per memb) and Dollocath, are amongst the notabilities which sell themselves. Allusion was made by the writer least week to a new tim mine about to be introduced to the public, the prospectus of which will be in course of distribution in a few shifts the same, and also a geological plan of the district, will appear in the formit of the same, and salso a geological plan of the district, will appear in the formit by a number of agents, amongst whom are—Mr. Charles Thomas, of Dolcoath; quite by a number of agents, amongst whom are—Mr. Charles Thomas, of Dolcoath; quite a guaranty of its claim to be placed on the list of sound mining companies. It will a garanty of its claim to be placed on the list of sound mining companies. It will a guaranty of its claim to be placed on the list of sound mining companies. It will a guaranty of its claim to be placed on the list of sound mining companies. It will a guaranty of its claim to be placed on the list of sound mining companies. It will be mine is situated on the immediate south of the St. Ives Consols, and must according to the reports, carry with it somewhat of the prestige of its eclebrated neighbour. The terms on which it is offered to the public will include a reserved explosion, will be ment of 15a. per share in deposit and an allotment, no further subscription will be ment of 15a. per share in deposit and an allotment, no further subscription will be short time be so far successful as to show that the promoters have been fortunate is short time be so far successful as to show that the promoters have been fortunate is short time be so far successful as to show that the promoters have been fortunate is all concerned.

From Mr. EDWARD COOKE:—I need scarcely say that the Mini

From Mr. EDWARD COOKE:—I need scarcely say that the Mining Mr. From Mr. EDWARD COOKE:—I need scarcely say that the Allmighters, which entirely discourages the public from entering into new peculiars, which entirely discourages the public from entering into new peculiars ments for the moment. While this state of things continues it may be preader it aloof until the political horizon becomes more clear. I fear, however, that hold stock, impulsed by the prospect of war, rush in with the view of realist scock, impulsed by the prospect of war, rush in with the view of realist scarcely be called realising. Making a great sacrifice would be the proper term, a haddle, ere they have delivered the stock they may have soid prices will have been in a great measure anticipated. It would, therefore, suggest to the reading been in a great measure anticipated. It would, therefore, suggest to the reading and progressive mine shares will be most eagerly sought after presently; there say hold on this kind of stock, and, in the event of any serious of money will at the event of any serious of money will at the work of the serious of money will be the who use a proper discretion in buying. It should be borne in mind the by those who use a proper discretion in buying. It should be borne in mind the great may be a great property maintained its market value, and the market value.

sit ides commind voy.

From Mr. GEORGE BATTERS: —The market for mining shares, in symptoms of the Stock Exchange, have during the stock exchange.

with the markets of the Stock Exchange, have during the week been very flat, and hield continue very rich indeed.

From Mr. GEORGE BATTERS:—The market for mining shares, in symptom with the markets of the Stock Exchange, have during the week been very flat, and on the properties of the stock Exchange, have during the week been very flat, and on the properties of the stock Exchange, have during the week been very flat, and on the properties of the stock Exchange, have during the week been very flat, and of interest, independent of a rise in market value, which, from present rate, bless he haded on as a certainty. For cent wheal yor shares have failent to 31; the last dividend was 12s. for Latt, de. Great Wheal Yor shares have failent to 31; the last dividend was 12s. for Latt, de. Great Wheal Yor shares have failent to 31; the last dividend was 12s. for Latt, de. Great Wheal Yor shares may confidently be relied on at each successive meet equitar, and a gradual increase may confidently be relied on at each successive meet the quarter, and a gradual increase may confidently be relied on at each successive meet the country. The country of the shares gradually creeping up in price, and from present appearances are cheap? It is mares gradually creeping up in price, and from present appearances are cheap? It is mare gradually creeping up in price, and from present appearances are cheap in the price of the stock of the present; this is at lot the richest lead mine far the country, if not in the whole country. Williams' look, for the 4 feet carried in the 80 west, is worth upwards of 100?, per fin.; the lims is look, of the 4 feet carried in the 80 west, is worth upwards of 100?, per fin.; the lims is look, on the price of the present; this is at lot the vest, now worth 25?, per forn; the 80 west, on Elizabeth's lode, is worth to 80, a prince, 20; an imprortant feature is the continuation of the course dee in the 0 west, now worth 25?, per forn; the 80 west, on Elizabeth's lode, is worth longer than the properties in th

maked. At Warruntru the shadt is no season of the compared and the compated in the shadt is not season of the compated and the down of statems, in a good channel of ground. At Chuvarrow and Derivative works are pushed forward with all dispatch; two lodes will be seen in the case of a week or a fortnight's further driving.

From Mr. W. Leelans "—It was not to be expected that in the present is sential argest of political affairs, and with the apprehensions entertained of the described of the described of the control of the con

Tavisfock Old Miners' Club.—The annual meeting of this club, which was established about 65 years ago, by the late Mr. John Taylor, was held at the Bedford Hotel, Tavistock, on Thursday (Mr. T. Nicholls in the chair). Amongst those present were Messrs. J. E. Square, R. Bayly, Captain W. Skewis, and most of the mining agents of the neighbourhood. This society has, during the last three or four years, been thoroughly resuscitated, and is now in a mest flourishing condition. The report shows a saving of nearly 50 per cent, on the amount of the contributions paid by members. The intention of the club is to provide assistance for sick members, and an allowance for funeral expenses for himself, wife, and families. Mr. W. H. Rowe, of Plymouth, is the secretary, and the society has an accumulated fund of above 500l. A large number of gentlemen enrolled themselves as honorary members, which involves a yearly subscription of 13s., and others were promised. It was unanimously resolved that applications be made to the agents in the neighbourhood for their support, and it is to be hoped that mine adventurers interested in the district may likewise come in as honorary members, which whatever part of the courty they may be resident.

At the next general shooting metch of the Tavistock Volunteers there

At the next general shooting match of the Tavistock Volunteers there will be a Mining Plate offered to the corps to be shot for, to be subscribed for by mining statement. It is to be hoped it will be a plate of some value.

The Tin Standard.—No change in the tin standard during the past week, and prices remain as fixed on May 7:—Common, 98s. to 99s.; refued, 101s. to 103s. To show the effects of the American war on the Cornish tin miner, we are informed that in 1859 to 1869 to 180 to 160 to 100 to 100

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for the weak ending June 19 was 12,0171. 139. 9d.

HOLLOWAY'S OINTMENT AND PILLS—VEXATION AVOIDED.—This oint HOLLOWAY'S O'INTMENT AND PILLS—VEXATION AVOIDED.—This oilli-ment is the most powerful agent for the healing of wounds, old ulcers, indoient sores, and all strumous diseases of the skin, which, from local or constitutional causes, have hitserto resisted all ordinary modes of treatment. Holloway's ointment, rubbed upon gestion, and ordinary modes of treatment. Holloway's ointment, rubbed upon gestion, and organizes all those obstructions in the mesenteric glands, known by the pallor, attenuation, and gradually increasing weakness of the sufferer. The combined effects of ointment and pills are irresistible in all long-continued diseases, which ever produce disarrangement of the digestion, circulation, and glandular system. Holloway's remedies are suitable for all ages and conditions, for all climates and constitutions.

PROFITABLE MINING-No. I.

PROFITABLE MINING—No. I.

We have always endeavoured to prove that mining, as compared with other branches of British industry, yields greater profits to investors, with equal certainty. That failures do occur, and considerable losses therefrom arise, is undeniable; but in many, if not the majority of instances, these disasters are caused by the want of caution with which the public will sometimes rush into speculations, without considering the probabilities of success. This, however, is not the rule in mining adventures, it is simply the exception; and we think that, with the assistance of a few statistics, we can demonstrate to our readers that, on the whole, mining enterprise returns a good percentage on the amount invested.

At the present time there are in course of working in the United Kingdom 63 mines paying dividends from profits, and of which Comwall contains the greatest number. These mines produce various metallic ores—gold, copper, lead, tin, and iron; some are worked only for one of these substances, others for two or more. There is but one mine which makes profits from yield of gold—the Vigra and Clogau, situate in Wales, and which is also worked for copper. Upon an outlay of 16,800£, or 4£, per share, this undertaking has declared dividends of 25,725£, or 6£, 2x. 6£, per share. Of mines producing copper only there are 18 in the Dividend

makes profits from yield of gold—the Vigra and Clogan, situate in Wales, and which is also worked for copper. Upon an outlay of 16,890/L, or 44. per share, this undertaking has declared dividends of 25,725/L, or 64., 2s. 6d. per share. Of mines producing copper only there are 18 in the Dividend List—in Cornwall 13; Clifford Amalgamated, East Basset, East Caradon, Marke Valley, North Treskerby, Par Consols, South Caradon, South Tolgus, South Frances, West Basset, West Damsel, West Seton, and Basset; in Devonshire, 2, Bedford United and Devon Great Consols; in Cheshire, 1, Alderley Edge; in Anglessa, 1, the Parys Mines; and in Ireland, 1, the Wicklow Mines. These mines, upon an aggregate outlay of 279,843/L, have declared dividends of 2,702,437/L, the several counties contributing in the following proportions:—Cornwall, with 13 mines, has paid 1,580,295/L on 229,986/L expenditure; Devonshire, two mines, 988,212/L, upon 10,357/L; Ireland, one mine, 101,850/L, upon 17,500/L; Anglessa, one mine, 20,500/L, upon 10,000/L; and Cheshire, one mine, 11,580/L, upon 12,000/L. It will be seen from the above figures that the returns on the aggregate capital invested have been 965-69/L per cent.—a result sufficiently favourable in itself, but on examining into the gains afforded by certain mines individually we find products still more startling. For instance, Devon Great Consols has paid 934,912/L, upon 1024/L outlay, equal to 91,300 per cent., or 913/L for every 1/L embarked. Par Consols, upon an expenditure of 7200/L, has paid 256,000/L, equal to 3555 per cent., or 35.55 for every 1/L. South Caradon, upon 640/c expended, has declared dividends of 224,512/L, equal to 35,080 per cent., or 350-80/L for every 1/L embarked. South Frances, upon an outlay of 9393/L, has returned 183,856/L, equal to 1-957 per cent.; and Basset, upon 264/L, only expended, has declared dividends amounting to 307,200/L. or 11,707 per cent. All these undertakings continue to pay well, but there are certain mines which have proved exceedingly profitable

FOREIGN MINES.

SANTA BARBARA (Gold).—Captain Bryant, Pari, May 14: Reduction Department: Stamped since April 20 from the bottom shaft and the adit level, 20 days to 10th of May, 246 tons; previous, 301 tons: total, 547 tons. This is exclusive of stone from the shallow level. There have been 28 tons stamped from the shall alone over the ripples, which yielded 263½ olts. amsigam, which at 40 per cent. will give 105-20 olts. of gold=3°766 olts. per ton; this smalgam, which at 40 per cent. will give 105-20 olts. of gold=3°766 olts. per ton; this smalgam, which at 40 per cent. will give 105-20 olts. of gold=3°766 olts. per ton; this smalgam is not yet retoried. The amsigam will be cleaned up after the 20th as usual, when I shall be in a position to give the produce of the month. There is very little difference in the appearance of the stone.—Mine: Carne's shaft is suspended for the present. In the shallow level the bottoms are without atteration; lode about 5 ft. wide. In the trial level, so far, we have found nothing of value, the branch on which we are driving in the rock is from I to 3 in. wide. I am unwilling to give this up until we are fully satisfied, as it is not a thing which can be returned to without considerable additional expense. The level we have driven being merely for a trial, it is not sufficiently timbered to stand long, consequently I propose continuing the trial with a small force a little longer. In the shaft the lode continues about 9 ft. wide; the stone looks well, and contains more quartz interspersed throughout than formerly; the produce as previously stated is higher than the average, being 3°766 olts. per ton; this looks cheering for the deepest part. The stopes are much as usual. On the whole, at present the lode in them is small, but this will happen occasionally when we get out of the swell into the narrower parts. In the additively when we driven through the arch, and find the bottom inside full of wet mud, which we shall begin to clear out as soon as the level is sufficiently opened

criven through in the arch in the adit, there is reason to suppose such is the case. As requested in your former leiter, I have concentrated the force as much as possible on the most productive parts—the shafts and stopes; the former will be sunk with as much dispatch as possible.

SAN ROQUE.—C. Remfry, June 11: San Estevan shaft has been sunk 2 varas below No. 1 level. No. 1 level east, on the lode, has been extended 11 varas 21t. 3 in., and the west, on lode, 14 varas, 0 ft. 6 in. The lode eastward has been poor the best part of the month, but latterly become orey again; westward the lode has been variable, but altogether promising. No. 1 level, east of San Francisco shaft, has been pushed forward 20 varas 2 feet, the lode alternately being productive and poor. No 1 level, west of said shaft, has been advanced 3 varas 0 ft. 6 in., without the indications mentioned in my last report having altered. San Antonio shaft has been deepened 7 varas, or (say) to the depth of 9 varas below No. 1 level. The flow of water is pretty strong, and retards the sinking more than we expected it would; the lode is wide, and produces good lumps of galens. In No. 1 level, San Antonio, the eastern end has advanced 9 varas 1 ft.; lode unproductive and hard; and west, on same level, the end has been driven 13 varas 2 ft., principally in productive lode. In the trial shaft, San Luis, west of San Francisco, the prospects continue encouraging. We have sunk the shaft 9 varas 9 ft. 9 in., or to a total depth of 32 varas 1 ft. 9 in.; the lode is 1 ft. wide, producing fine lumps of galena. At San Augustin shaft, No. 1 level, east has been extended 10 varas 2 ft. 6 in., sha lode looks more promising than heretofore, aithough its size has not increased; a string of galena, from 1 to 2 inches wide, continues in the end of level, the lode being 6 in. wide. No. 5 shaft has been sunk 5 varas 1 ft. or (say) to the total depth of 32 varas below the 40. The water, however, has increased to that extent that we have decided not to carry the shaft down

TESTIMONIAL TO MR. THOMAS PROUD, OF THE WOLVERHAMPTON GAS COMPANY.—On Monday evening the whole of the officers and workmen of this company assembled at the Shakspeare Inn, Horsley-fields, on the occasion of a farewell supper to Mr. Proud, and for the purpose of presenting a testimonial to that gentleman upon bis resigning the office of chief engineer, to fulfil a similar appointment under the Bombay Gas Company. The testimonial consisted of a handsome French onyx medallion glit clock, which had been purchased from Mr. Kemp, of the High-green, in this town. It bore the following inscription:—"Presented to Thomas Proud, Eaq., by the officers and workmen of the Wolverhampton Gas Company, as a token of respect and esteem, on his resigning the office of engineer. James Homer, secretary,—June 20, 1864." Some very interesting speeches were delivered by the officers and workmen, expressing their regret at closing Mr. Proud, and their earnest wishes for his future prosperity.— Wolverhampton Chronicle.

Mining Correspondence.

BRITISH MINES.

BEDFORD CONSOLS.—J. MICHAEL, Jame 27: In the middle addit level east, see the north lode, the ground during the past week heat much improved, and the men are maked of or as are being ecasionally met with the leaf to the wheat before some, and good closes of or as are being ecasionally met with the leaf to the leaf to the leaf of the work are worth of the property of the leaf to the leaf of the leaf to the leaf

some time past.

CHIVERTON CONSOLS.—J. C. A. Oates, June 18: As this is the first meeting we have held since the commencement of our operations, you will allow me to carry back your attention a few years, and fix it on what I may call the history of these mines. In the year 1845 a local company, under the management of the late Capt. Evans, of St. Agnes, commenced operations in the estate of Reen Willows. In making an open cutyour attention a few years, and fix it on what I may call the history of these mines. In the year 1845 a local company, under the management of the late Capt. Evans, of St. Agnes, commenced operations in the estate of Reen Willows. In making an open cutting, and only 3 ft. below the surface, a lode was discovered, producing large rocks of lead, embedded in a most congenial matrix. It happened that this discovery was made near the boundary of the sett, the adjoining land belonging to the Dean and Chapter of Exster. Failing to obtain this laid, the agents though proper to drive away from the lead, hoping in a more propitious time to obtain the sett. Strenuous and repeated attempts have been made from time to time to procure the united setts, more particularly in the years any capital to work them. In July, 1663, there appeared some probability the setts might be obtained; applications were at once made for them, and though many difficulties have been encountered, you may be congratulated on having overcome them, and on meeting this day under such aspicious circumstances. We commenced operations in November last by clearing out the lobby and adit driven by the old company; this we did to take off the surface water, to enable us to sink on the bunch of lead they discovered. We found that they had cut several lodes, but as they worked in the western part of one set we thought that, though their adit might be resumed one day, our operations should be carried on in the best way for the development of both setts. We accordingly sunk of two theorems of the development of both setts. We accordingly sunk of two cross-ready in the discovery, when we found that another company laid claim to a piece of land in close proximity to the position we assigned for the engine. This matter is now settled, as you are aware, in our favour; but the dispute led to a suspension of our operations at that point, and to an exploration by open cuttings and adits of other portions of our setts. The discoveries made have been most important. We

25, 1864,

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CLARA UNITED.—Jas. Lester, June 22: The men have completed pent-house, &c., and are now in full course of sinking the engine-shaft under the bargain reported last week. The lode in the 40 cast is not looking so well as formerly; a little disordered by a cross-course.—Dolwen: The water is not in fork from the engine-shaft, the heavy rains of the last few days having let down a large quantity through the shallow adit.

CLOWANCE WOOD.—E. Chegwin, June 22: The sumpmen are engaged clearing the adit to the engine-shaft, and expect to complete it in a week or ten days; then we shall commence to cut ground for a plunger-lift, to pump water for condensing. We shall commence to cut ground for a plunger-lift, to pump water for condensing.

CONNORREE.—Captain Blabop, Jane Bre 15: In the deep adit the rock is of the same character, but with more quartz wins interspersed through it; and a good deal of water last of the comment of the comment of the same character, but with more quartz wins interspersed through it; and a good deal of water past. The 45, west of engine-shaft, is looking the same as for some time past. The 45, west of engine-shaft, is looking the same as for some time past. The 45, west of engine-shaft, is looking the same as for some time past. The 45, west of end whaft, a by ridling good copper ore, but to in large quantities; it will, however, I think, shortly improve. The lode in the 15 fm. level endage, east and weat of Field's shaft, is very wide, and is yielding good cannotity of consecution of the week. No change for the better has occurred in the 20 cross-cut, south of men whaft, buring the week. In the 10 cross-cut, south of Tracey's shaft, the rock is more favourable for exporting and for the processor.

CRENVER AND WHEAL ABBAHAM.—J. Vivian, June 23: At Vivian's engine-shaft, in oxided, the house for the 90-in. eyilder is fast approaching to its completion; the bob wall will be up by the end of this week. The waits of the smith's shop are up, and the woodwork or for opperaging to be put on. The water

Dionths from that date.

DEVON AND CORNWALL UNITED.—T. Neill, Jan. 21: We have no improvement in the 12 east since last reported; the stope above is worth from 4 to 5 tons of ore per fathorn.—William and Mary: We have commenced driving the 46 east, lode producing stones of ore; the lode in the 34 east still keeps its size and value, worth 5 tons of ore per fathorn. The stope in the back in the 22 east is worth 5 tons per fathorn. No other change.

ment in the 12 cast since last reported; the stope above is worth from 4 to 5 tons of or per fathors.—William and Mary: We have commenced driving the 46 cast, ide producing stones of ore; the lode in the 34 cast atili keeps its size and value, worth 5 tons of ore per fathors.—No other change.

DOLFik WYNOG.—C. W. Seccombe, June 20: Since my last the men have completed the tramroad and ladder-way at No. 3 shaft. Two of those men are employed now in clearing No. 5 level, south of the above-named shaft, at 7s. per fm., and two of them stoping in back of this level at 21. 10s. per fm., commencing at No. 2 shaft. The lode in the stopes in back of No. 4 level, is not so largean last reported. Two men (Cornishmen) have commenced stoping from the winze in the bottom of Fownog level, where there is a good looking lode for gold, from 2½ to 3 feet wide. There are two men (Cornishmen) driving in the siluvial from the Fownog level. The Little Brittens are still at work. We have got a pientiful supply of water for working the unachinery.

EAST BOTTLE HILL.—J. Eddy, June 22: The shaft on the south lode is sunk from surface about 10 fms. A cross-cut was then driven south from 4 to 5 fms., where we cut the lode 3 to 4 ft. wide, and carrying a little tin, with spots of yellow copper, but not sufficient to value. Since cutting the lode we have driven cast on its course about 5 fms. In driving we found the lode to produce lin, but not saving work; this lode has very much improved this last week, now producing good work for iin. We have a north lode bearing towards this onc, which will form a junction, say about 6 or 7 fms. cast of our present end; in reaching this point we may expect to meet with something good.

EAST CARADON.—Jas. Seccombe, June 22: Caunter Lode: The 60 cast is worth 101, per fm., ich 70 cast, 51, ; the 80 cast, fm obld. to 551; and the 80 west, 81, per fathom.—Now Lode: The 60 west is worth 51, per fathom; and the 70 west is worth 61, per fathom; in rocks of the engine-shaft; it is about 3 feet wide, producing s

here the lode is greatly improved, now I it. wide, worth 91. per fathom. There is no other change to notice since last report. We calculate to sample on Taesday next about 160 tons of aur usual quality ore.

EAST TREEKERBY.—Ohn Nancarrow, Richard Knuckey, June 22: The 12 west yields a little tin. The stope in the back is worth 61, per fan. The stope in the bottom is worth 181, per fathom. The lode in the 12 east is small. The stope in the back is worth 151, per fathom. The lode in the 20 east is improved; it is now I foot wide, composed of capel, chiorite, &c., and yields good work for tin. We hope to report more faily on the value of this discovery next week. We have sampled to-day 109 tons of good quality tinstuff. The mine is improving. EAST WHEAL ELEN.—R. Pryor, S. Garland, T. Corfield, June 22: The lode in the ground has become more favourable for driving. No. 1 stope, in back of this level, west of shaft, is worth 1½ ton jof ore per fm.; No. 2, west of ditto, 1½ ton per fm.: No. 3 has improved, now worth 2½ tons per fm.

EAST WHEAL FORTUNE.—J. Curtis, June 20: The lode of Hitchins's shaft by six men, at 61. 10a, per fathom, and in a few fathoms further driving the south lode will be met with, where a good lode is expected. To the east of Hitchins's shaft, about 50 fathoms, we have commenced with four men to clear an od shaft on the junctions of lodes; it is now down about 3 fathoms; and for this depth the old tinners have taken away the whole of the lode from both ends of the shaft; and, judging from what I can see of, the old men's workings, I consider this to be a very mornistic steep of ground. nd, judging from what I can see of the old men's workings, I consider this to be a ver-

promising piece of ground.

EAST WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, June 21: The lode in the 65 west is from 4 to 5 ft. wide, a splendid looking lode, worth 8 tons per fathorm—in fact, this lode has never looked better than at the present moment, and which is evi-

the 65 west is from 4 to 5 ft. wide, a splendid looking lode, worth 5 tons per fathorm—in fact, this lode has never looked better than at the present moment, and which is evidently going over a good course of ore.

— G. R. Odgers, W. Bennette, June 22: The lode in the engine-shaft sinking below below the 65 is looking much the same as we stated in our last report. The lode in the 65 east is 2½ ft. wide, producing good stones of ore and tin, and letting out a quantity of water—a kindly lode. The lode in the 65 was tis from 4 to 5 feet wide, producing good stones of ore and tin, and letting out a quantity of water—a kindly lode. The lode in the 65 west is from 4 to 5 feet wide, producing gore a great deposit of ore. There is no change in the 55 west. The different stopes, &c., are producing the usual quantity of tinstuff.

EAST WHEAL LOVELL.—J. Burgan, June 23: The shaft sinking below the 26 is down nearly 12 fathoms; the lode is 9 feet wide, worth from 1501, to 1701, per fathom for the length of the shaft. Good progress has been made at the new shaft, the completion of which will enable us to work some of the reserves east of the shafts, now standing 20 fathoms in height, and to drive a cross-cut from the north lode to the south lode in the 40, to which we have 2 fathoms more to sink. The south lode continues good, sinking below the 20, worth 901, per fathom for 9 feet in length. A new rise in the back of the 20, on the junction, is worth 1501, per fathom. This is now proving to be a separate lode. The 20, on the north lode, is much the same as last reported. The castern shaft has been timbered, and gannies secured. We have again been sinking deeper, where we expect to reach the deepest workings of the old miners shortly. The 20 cr sich that some thin the same as last reported. The castern has gone through a large lode, which is discordered by the cross-course a present. EAST WHEAL RUSSELL.—J. Goldsworthy, June 22: The lode in the 130, east of Homersham's shaft, is 3 feet wide, composed of capel, quarts, peach,

THE MINING JOURNAL.

FRANK MILLS.—J. P. Nicholis, J. Cornick, June 22; The emfene-shaft is being surk below the 100 an apolity as possible, the ground in which continues to the most favorable description. We have reasuned the 100 north on the west 1006, and have extended in a state of the control of the property of t FRANK MILLS, -J. P. Nicholis, J. Cornish, June 22: The engine-shaft is being surk

satisfactorily.

HARWOOD.—J. Race, June 17: The end of the drift east in the vein is worth ½ ton of ore per fathom. Stope No. 1 is looking well, worth at present 1 ton of ore per fm. No. 2 stope is worth 6 cwts. of ore per fathom. No change in the level. The trough

of ore per fathom. Stope No. 1 is never that the control of the per per fathom. Stope No. 2 stope Is worth 6 cwts, of ore per fathom. No change in the level. The trough level is very hard.

HAVAN.—George Jones, June 22: Carriston Shaft: The 10 east and 10 west of No. 1 winze is now communicated together, and have laid open 12 fms. in length of good stoping ground, which will average by the present appearance 1½ ton of lead ore per fm. The 16, west of ditto, has been extended 6 fms. through a good tode, but the present end is not quite so productive as heretofore. This end is suspended for awhile, for the purpose of employing the men to slove the back of ditto, and prepare for the sinking of the next 10 fms. This stope in back of the 10 west is worth from 20 to 23 cwts. of lead ore per fm. The 10, east of No. 1 wings, is worth from 10 to 1½ ton per fm. No. 1 stope, east of Carriston's shaft, in back of Seton's adit, is worth 10 cwts. of lead ore per fm. No. 1 wings ditto is worth 12 cwts, per fm. No change to notice in any other part of the mine. The dressing operations at present are progressing attisfactorily. I am glad to say that the lock in the 10 shows stronger courses of ore, and of a more kindly appearance than it did sbove, and I am of opinion that the mine will soon open so as to give a great produce of ore.

ance than it did slower, and a man of open compared to the addit level, driving west, is HAWKMOOR.—J. Richards, June 21: No. 3 lode in the addit level, driving west, is from 1 to 2 ft. wide, composed of quartz, capel, and mundic. In the stopes in the back of this level the lode is from 2 to 3 ft. wide, composed of quartz, capel, peach, and good

of this level the lode is from 2 to 3 ft. wide, composed of quartz, capel, peach, and good work for tin ore.

LADY BERTHA.—Capts. Harpur and Metherell, June 20: In the 53, east of engineshaft, the lode is composed of peach, mundic, and stones of ore, carrying regular walls. The lode in the 53 west is large, composed of quartz, mundic, and ore, worth 1 ton of ore per fathom; we have just commenced cutting through it to the south wall. We have completed the opening of ground between the rise above the back of the 53 and the winze below the 41, and have commenced stoping the lode, where it is about 3 ft. wide, composed of mundic, peach, and ore, worth of the latter 4 tons, or 121. per fm. In the 41 east the lode is letting down a little water, carrying regular and well-defined walls, composed of flookan, peach, mundic, and iron, intermixed with a little ore. We have no alteration to report in the appearance of the 30 east since our last. The ground in the croas-cut driving north from the 10 east is easy for progress. In the new shaft, sinking below the 30 east, the men are progressing pretty well. The tribute department continues to yield much the same as for some time past.

LEAWOOD.—J. Nicholits, June 17: The masons are getting on well with the engine-house; it is now 26 feet high. The foundation for the stack is being cleared out, and the building of it will be commenced next week. The clearing of the adit is going on. LEEDS AND ST. AUBYN.—J. Curtis, June 22: Setting Report: The 30 to drive east of the flat-rod shaft, by two men, at 31, per fathom. The 30 to drive east of the flat-rod shaft, by two men, at 31, per fathom; lode 2 ft. wide, and opening out tribute ground. The 10 to drive east of the flat-rod shaft, by two men, at 31, per fathom; lode 2 ft. wide, and opening out tribute ground. The 10 to drive east of the flat-rod shaft, by two men, at 31, per fathom; lode 18 inches wide, saving work for the stamps. The winze sinking below the 20, by two men, at 31, per fathom, and 6s. 8d. in 11.

MAUDLIN.—J. Treg LADY BERTHA.—Capts. Harpur and Metherell, June 20: In the 53, east of engin

MOLLAND.—T. Bennetts, June 22: The lode in the 62 east is 2 feet wide, composed MOLIAND.—1. Bennetts, June 22: The lower in the lock in; ground moderate for driv-of quartz, from, and spots of grey ore, associated with flookan; ground moderate for driv-ing. The lode in the rise in the back of this level is still very large, worth ½ ton of grey ore per fathom; the ground is, however, very hard and close for exavating, and hence I think it would be wise to suspend it, and commence to sink a winze on the lode

this level to grove the ground a little. The stopes in the back of the same and producing 154, too of one per fathom. The stopes in the back of the same and any producing 154, too of one per fathom. The stopes in the back of the same and any producing 154, too of one per fathom. The stopes in the back of the same and any per stope and one of years periode, the ground per fathom. The stopes are not perfectly and the stopes of the same and the stopes and

smelters this week. I shall write a full report for the general meeting, to be held at Newbury next week.

Nowrith LAXEY.—J. Horsley, June 21: We have commenced with three shifts in the 60 end yesterday evening. The water is down about 2 ft. below the 60. We expect to have the water out of the bottom in a few days now, if the rain continues.

NORTH MINERA.—James Dunkin, June 21: We are getting on very well with the cross-cut north in the 40 fm. level; the ground is very congenial for producing lead on. In a day or two we shall commence dividing the eastern shaft, and putting in ladder road from the 25 to the 40 fm. level. The ground continues favourable in sinking a winze from the 15 to the 25 fm. level, and producing good stones of lead ore. No alteration in any other part of the mine.

NORTH SHEPHERDS.—Henry Bennetts, June 22: Decimus' engine-shaft is sunk 5 fms. 4 ft. 6 in. below the 15; the lode in the shaft is full 2 feet wide, and a very price.

road from the 25 to the 40 fm. level. The ground continues favourable in sinking a winze from the 15 to the 25 fm. level, and producing good stones of lead ore. No alter ration in any other part of the mine.

NORTH SHEPHERIS—Henry Bennetts, June 22: Decimus' engine-shaft is sunk 5 fms. 4 ft. 6 in. below the 15; the lode in the shaft is full 2 feet wide, and a very promising lode indeed, composed of mundic, jack, and spotted with lead; I believe it will grove productive at a deeper level. The 15 cross-cut is driven 15 fms. north of engine shaft, and nothing yet cut. The lode in the adit level is 8 in. wide, and a very kindly lode, composed of mundic and lead. The pew north lode is 1 ft. 4 in. wide, with a very promising appearance, and likely to be productive at a deeper level.

NORTH TRESKERISH.—R. Pryor, J. Tregoning, T. Jenkin, June 23: No lode habeing appearance, and likely to be productive at a deeper level.

NORTH TRESKERISH.—R. Pryor, J. Tregoning, T. Jenkin, June 23: No lode habeing states of the control of the state of th

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od to the utility and increased e, nothing to e, nothing to e, nothing to e, nothing to the open and of the open and of the open and the large lates all, however, the adit we then, which the lates of the open and open a

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is sprigged nundic and ead ore also m.; No. 3, wer, worth wing a due the latter y. I hope puisa's new

est, on the com mosth wing work; if the part cerimens of wing at 5i. I reached; tree; about character le copper; divance of le through ode stand. I strongly until pare ut 15 tons

The 74 to 4 is small . The 74 mg stones real, at ford's, by n back of . per fm. poor; we through of the 58, The 58 to th 41, per de small . 201. per

shaft, is is 2 feet est of the is shaft, unsidera-

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ceiting of this, there is no other alteration in the linke, as the men nave secutivity of the lock in their different bargains, which will be taken up against our measuring on the lock in their different bargains, which will be taken up against our measuring on the lock in the 18.

staff. 178. 84.

PRINCE OF WALES.—Wm. Gifford, June 21: We have met with another cross-prince in the deep adit east, on Good Luck lode, the same being from 8 to 10 in. wide, course in the deep adit east, on Good Luck lode, the same being from 8 to 10 in. wide, course in the deep adit east, on Good Luck lode, the same being from 8 to 10 in. wide, course in the deep adit east, on Good Luck lode, the same being from 8 to 10 in. wide, course in the same lost of quartic, with spots of copper ore and mundic intermixed. I hope to be embedded to give you particulars of the doe, east of code, east of cross-course, next week. Watson's easied to give you particular of the class as fall, is 2 feet wide, and worth 5t. per fm. The lode in the 80, west of PROSFEE UNITED.—S. Lean, Wm. Millett, June 25: The 10 west will produce 1 % 156. wide, containing awing work for tin. The lode in the 60 west will produce 1 % 156. wide, containing awing work for tin. The lode in the 60 west will produce 1 to 60 feet fin the 70, east of Hoskings's shaft, is worth 81. see fm. for tin. The lode in the 80 less the places are without change since our last report.

class places are without change since our last report.

class places are without change since our last report.

class places are without change since our last report.

class places are without change since our last report in the 55 is a most june 10 feet. The lode in the 75 south in the 75 sout

spond of its values, and show a greater length in the oray part, the result of which shall is a few properties of the property. I see scarcely any change in the ground since last week. I am doing all I do not be a seen that the state of the properties of the prope

CHIEF MINING JOURNAL.

PRINCE SERVICE FOR SEA SHOULD AND A 19 For private and the service of the control of the control

Wenait's, is worth 1 ton per fm. The barytes pitches are yielding prontance quantities. Looking at the look bawing opened along the 110 north and south of Field's, and considering that the whole of last month's returns averaged 57. Is, per ton, we feel that we have a very promising mine Roberts, June 22. At Thomas's engine-shaft, sinking below the 47 the 15 the 15 the set the look is 21 the 15 the set the look is 21 the 15 the set the look of the 15 the look of the 15 the look in the 52 west the look is 21 ft. wide, picliding rich work for tim, worth about 20%, per fm. In the same level east the look is 21 ft. wide, picliding rich work for tim, worth about 20%, per fm. In the same level east the look is 21 ft. wide, picliding rich work for tim, worth about 20%, per fm. In the same level east the look is 21 ft. wide, producing saving work for tim. At Grenville's engine-shaft the look is 11 ft. wide, producing a work of the wines sinking under the 11 she looks is 1 ft. wide, producing 1 ton of ore per fm.

WEST CANADON.—W. Johns, June 20: The lode in the 60 fm. level, east cross-cut, and north of Fox's shaft, is not looking so well at present; however, we are still in a congenial stratum of ground for mineral, and I am of opinion the lode will soon improve again. The rise into back of the 10 is 10 cmmunicated to the 80, on the new lode, this having a piece of unexplored ground for 24 fm. high, which induces us to drive a middle way level, with a view of opening out ground for working. At communicated to the 80, on the new lode, this having a piece of unexplored ground for 25 fm. high, which induces us to drive a middle way level, with a view of opening out ground for working a the communicated to the 80, on the new lode, this having a piece of unexplored ground for working that the 16 decreased to the 10 is to communicated to the 80, on the new lode, this having a piece of unexplored ground for 25 fm. with the word of the 10 is 10 per fm. The total control of the 10 per fm. The wines to the same produced ground f

ditto, 7l. per fm.; No. 4 ditto, 5l. per fm.; No. 5 ditto, 12l. per fm. In the 110 east the lode is worth 6l. per fm.; the stope in back is worth 4l. per fm. In the 110 west the lode is worth 6l. per fm. No. 1 stope in back is poor: No. 2 ditto is worth 7l. per fathom. In the 100 east the lode is poor; the stope in back is worth 5l. per fathom. In the 100 west the lode is worth 3l. per fm.; the stope in back is worth 5l. per fm. No

the 100 west the lode is worth 34, per fm.; the stope in back is worth 51, per fm. No other change during the week. WHEAL NORKIS,—J. Andrews, June 18: Carter's shaftmen are making fair progress in sinking and culting trip-plat below the 45 fm. level. The No. 4 lode in the 56 end, driving east of Carter's shaft, is 18 inches wide, producing saving work for tin. The No. 4 lode, it the 35 end, east of the above shaft, is 8 ft. wide, and contains a little tin, but not enough to value. The No. 5 lode, in the 35 end, east of Carter's shaft, is 2 ft. wide, producing low quality stamping work. The 35 cross-cut north is now in good course of working; we have secured the run, and have driven about 5 ft. in the past week. In the 35 cross-cut south there is no change since last report. WHEAL PAR.—J. Beard, June 22: The 10, east of Water's whim-shaft, on Jenkin's iode, is worth 7t. per fm. The 10, west of cross-cut, on Jenkin's lode, is worth 5t. per fm. The 10, was to Water's whim-shaft, on Water's lode, is worth 3t. per fm. The 10 was to Water's whim-shaft, on Water's lode, is worth 3t. per fm. The 10 was to freshed to 10 to 10

of working well.

WHEAL SIDNEY.—Wm. Edwards, June 22: There is no change of imports
tice in this mine since last reported. We are getting on satisfactorily with our s

notice in this mine since last reported. We are getting on satisfactorily with our stam ing, &c., for our next batch of tin.

WHEAL SPARNON,—W. Tregay, E. Chegwin, June 18: The engine-shaft has be entarged as far down as the back of the 20. A plat and road around shaft have been a

notice in this mine since last reported. We are getting on satisfactority with our stamping, &c., for our next batch of tim.

WHEAL SPARNON.—W. Tregay, E. Chegwin, June 18: The engine-shaft has been enlarged as far down as the back of the 20. A plat and road around shaft have been set to cet, in order that we may drive east and west on the new lose at this level, and drive the cross-cut north to intersect the two lodes, from 10 to 15 fms. north of Sparmon old lode; as soon as the cross-cut has been cleared as far as the Sparmon lode it will be set to drive. The shift enaward has been cleared as far as the Sparmon lode it will be set to drive. The shift enaward has been cleared as far as the step resent required; we shall now set about repairing the launders there. The engine-house is up the height of the bob end, and good progress is being made towards its completion.

WHEAL THEMAN THE.—R. Williams, J. Williams, Jone 22: At the new engine-shaft, sinking under the 143, the shaftmen are still engaged stripping down the north part of the lode, which is 10 in. wide, yielding low price tinsturf, with a kindly appearance. In the same level cast the lode is atill split up, worth 3L per fm., with a kindly appearance. In the same level cast the lode is 8 in. wide, yielding cocasional stones of tinstoff. We are cross-cutting north in the same level, in search of more lode, but have not yet interacted anything worthy of notice. In the 133 east Alien's branch is yielding good spots of tin in places, and looks likely to improve shortly. The winze shaking under the same level, on Alien's branch, a yielding low-price tinstoff. In the 132 east Alien's branch is disordered by floors of spar, yielding low-price tinstoff. In the stopes in bottom of the same level, east of shaft, on Alien's branch, are worth on an average 71. Per fm. In the 131 cross-cut, east of shaft, south towards the engine lode, there is no change to notice. The stopes in back and bottom of the same level, east of shaft, on Alien's branches, are worth on an a

wall here as yet.

WHEAL UNITY CONSOLS.—Wm. II. Reynolds, June 21: The lode in the 60 west contains some good ore, and looks very promising. There is no lode cut in the cross-cut south at this level, but there are still branches with copper ore in them, and a quantity of water flowing from the end. In the 40, west of cross-course, the lode looks very promising, and we are approaching its intersection by the elvan, which is an important point; a few fathoms before this end we have opened on the lode at surface, where it contains good work for the.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

WHEAL METAL.—The 162, west of Metal shaft, has much improved to 147, east of Ivey's, continues as good as ever. The general prospects of the mine

FURZE HILL WOOD.—Amongst the sales of tin ores reported this week may be noticed one from this mine; and it will be interesting to the know that the amount—3101. 16s. 6d.—is the result of 10 weeks only.

GOLD IN WALES,—CASTELL CARN DOCHAN returns 3 ozs. 124 dwts. of from washing about 15 cwts. of quartz, for the week ending the 18th Inst. Six matchines will be at work this week, when the returns will be larger. A 50-ft. - wheel and 16 heads of stamps are ordered of Messrs. Thorneville sad Warham,

SOUTH CARADON WHEAL HOOPER, which has been worked in a fair

water-wheel and 16 heads of stamps are ordered of Messrs. Thorneville and Warham, of Burten-ou-Trent.

SOUTH CARADON WHEAL HOOPER, which has been worked in a fair and honest manner, is now showing some signs of rewarding those shareholders who have been patiently waiting for results. The ground in the 50 cross-cut south has much improved. The water is in fork in the 90, and the plat in the 64 finished. They are driving on the new lode, and any day a discovery may be expected.

POLHIGEY MOOR.—This property is showing that perseverance meets with reward at last. Peter Clymo, who is one of the largest shareholders, is generally fortunate in his mines, and now the lode in the 30 shows that the prospects are really good. The granite on the side of the lode westward is much easier for driving eastward. In the 20 west the lode continues to improve, and when the east and west lodes are intersected in the 20, west of shaft, the mine will become better known. It is said that 50 shares is the smallest number held by one person, and that Messrs. Clymo, West, Treffry, and Polkinghorne are the chief holders—names well known in Cornwall, and a guarantee that the undertaking is a sound one. The tin already sold proves that it is of a rick kind, and if the lodes in the 30, beyond the shaft and 20 west, turn out well, then the mine will be safe as a dividend-paying property.

GREAT NORTH DOWNS bids fair to equal its neighbour, Wheal Rose. The lodes of Wheal Rose or right through Great North Downs, and it is proved beyond doubt that the deeper they sink the more valuable the lodes become. On June 1 the lode at River shaft was worth 30t, per fm., but on June 11 it was worth 30t, and improving as we sink. The largest shareholder in Wheal Rose holds a large number in Great North Downs, which looks well.

KOBOROUGH DOWN TIN AND COPPER MINE.—On Wednesday the new 50-horse power steam-engine was set to work at this mine. There was a large number present to participate in and witness the event, which was regarded with great interest in t

lought is from the state of the

EAST ROSEWARNE.—This mine is improving, and the shares are in very great demand. King's shaft is now worth 35.5 per fm., and has every appearance of getting still more valuable. The 75 west is worth 15.6 per fm., and looks very promising for further improvement. They will sample 150 tons of good quality ore on Tuesday next, which will leave a profit of from 400f. to 800f. on the sampling.

WHEAL UNY.—This mine is generally considered to be one of the safest speculations going. There are only 4096 shares in the mine; so that, at the present price of the shares, the whole mine is selling for a little over 24,000f. A celebrated inspector writes—"That when Uny is more developed it will be one of the greatest tin mines in Cornwail." The sales of tin and copper amount to above 5000f. quarterly, excepting the last quarter, when a delay of six weeks out of the thirteen took place, on account of the erection of new engine and putting in new pitwork. Above 1000f. was charged in the last accounts, which will not occur in future, as the steam-engine, engine-house, pitwork, &c., were charged for; and this, added to the small sampling occasioned by the delay above mentioned, has been taken advantage of by the "bears" to depress the shares. The mine is looking remarkably well, and the samplings for the small quantity of copper.

nantity of copper.

OKEL TOR.—The Duchy officer, after an inspection of this mine, a few variance, remarked that he had just seen a magnificent mine—that there was a fine to the contract of OREL TOR.—The Duchy officer, after an inspection of this mine, a few days since, remarked that he had just seen a magnifecent mine—that there was a fine course of ore in the 50 for a considerable length, with a great change in the character of the ground, indicative of large and continuous deposits of ore. That the ore is holding down is proved by sinking the winze below the 50, in which to a depth of 7 fms.—the present bottom—the yield has been 9 tons of ore per fathom; and in the 55 end, 17 fathoms behind, the lode is yielding 2½ tons of copper ore per fathom. The 80 end is producing copper ore, not only in depth, but above the 50 the backs are yielding 10 tons of copper ore per fathom. When a communication is effected with the 50 and 65, it is fairly calculated that 100 tons per month more can be readily sampled, if, indeed, the present quantity—156 tons per month—cannot be doubled, giving a profit on the whole of the workings. The profits will be evidently increasing, and when the winze is through there can be no question that Okel Tor willigenter the Dividend List. When the 80 is developed—that being the deepest level in the district—Okel Tor will be the ploneer mine of the eastern part of Cornwall. The great success of the above mine has induced the formation of an inducential company for the development of West Okel Tor—a property similar in every respect to Okel Tor. The committee and a stan of officials have already been appointed; and the mine, which is under the Cost-bock system, is divided into 12,000 shares of 10s. per share.

PRINCE ARTHUR CONSOLS.—Oh Mondaly the starting of some new and heavy machinery at this mine, about half a dozen miles from Tavistock, was made the occasion for great rejoicing. The mine was originally called Wheal Betsy, and was fromerly worked by the Messrs. Taylor for a great number of years, and stopped about 20 years ago, owing to the breaking of some of the machinery, and the then low prices of lead ores. During its former working it returned upwards of 190,000, of silve

dentily expected that when the mine is in fork large and profitable returns of lead ore will be made. There is also in connection with the company a large copper sett, formerly known and worked as North Wheal Friendship, in which highly promising copper lodes are known to exist. These lodes are parallel to those which have been so productive in the celebrated mine adjoining —0id Wheal Friendship—which has paid upwards of 100,0001, profit, and in which a most important discovery has recently been made, adding immensely to the value of the property. The water-wheel and machinery having been formally started, the company sat down to an excellent dimer, which was followed by the sunal loyal and other toasts, "Prince Arthur Consols," "the Working Miners," &c., being among the number.

PENNANT SLATE COMPANY (Limited).—This quarry is commencing most successfully, and is opened by tunnels 30 yards in the primest vein of slate. It is not a matter of opinion, but of fact, that the estate produces slate of the best quality, and in sufficient quantity to last many centuries. The men work by three shifts night and day, leaving no doubt that the whole will speedily be in full work. The directors advertise the allotment of shares to take place on July 11.

HINGSTON DOWN is still looking well, and is fully expected shortly to become a great mine. Economy in working cost, and a good standard, cannot fail to make it a dividend mine. dently expected that when the mine is in fork large and profitable returns of lead ore will be made. There is also in connection with the company a large copper sett, for-

come a great mine. Economy in working cost, and a good standard, cannot fail to ake it a dividend mine. CLITTERS' ADIT MINE is to be worked with some spirit. Capt. H. Skewes appointed manager, with a good local committee—men of good business habits and ining knowledge combined. With so many lodes, and all productive ones, this mine ust become of more than local interest before long, while its reports will be the quan-ty of in and copper that will be returned. Proper power is to be erected for pumping ad hauling.

and hauling.

DEVON COPPER.—This mine has been specially inspected by Captain Pops and Capt. Charles Thomas, and nothing can be more satisfactory than the strong opinions expressed by these high authorities in favour of the undertaking. The mine has improved, even since the inspections, and the lode in the shaft, which has been more or less crey from surface downwards, is steadily improving. The small part of this great lode, which is being carried in the shaft, now contains a leader, said to be returning some saving work, though quite in its infancy. This mine, as was originally anticipated, seems likely to prove an early success.

The views of different operators in this article being greatly at variance, we give the following report, as representing the views of operators for a rise. It would seem that the large increase of stock in this country, owing to the fears of a blockade of the German ports, has misled many as to the real position of the trade:-

The rapid increase of the stock of spelter in London, from 5500 tons on Dec. 31, to 12,000 tons on March 31, was regarded by many as a very unfavourable feature, and the reports of brokers, in private circulars and newspapers, made continual reference to the "prodigious stocks" on hand, the price of 20l. 10s. to 21l. current in April being considered much too high. Since that time stocks in this country have remained comparatively stationary, having slightly increased in London, but declined to the extent of nearly 1000 tons at the outports; yet the price has steadily advanced to 24l. to 24l. 5s. This advance has been attributed by brokers to speculative forcing up of prices in this country, a view, however, which is quite The rapid increase of the stock of spelter in London, from 5500 ton tive forcing up of prices in this country, a view, however, which is quite incorrect. The large buyers in the beginning of the year have made no purchases above 22L, and have latterly been freely meeting the demand. It is notorious that the recent advance in price has been led by the Continent, which was entirely denuded of stock by the shipments to meet the London buying, the fear of blockade inducing continental holders to dispose of every available too.

buying, the fear of blockade inducing continental holders to dispose of every available ton.

The Mining Journal of the 18th inst, states that at Breslau stock of spelter was entirely wanting, while the disposable stock at Hamburg is now given as low as 250 tons. The price, f.o.b. at Hamburg, is about 24l.; so that even with the considerable advance which has taken place here spelter cannot be imported without loss. The same number of the Journal states that at Paris the price of Silesian spelter is 25l. 4s., while rolled zinc is as high as 30l. per ton. Instead of the idea sought to be conveyed by the remarks on the prodigious stocks in London, it is now apparent to those who are not wilfully blind that the consumption of this article has, after six years of low prices, again overtaken supply, and in addition to those who are not wilfully blind that the consumption of this article has, after six years of low prices, again overtaken supply; and, in addition to the natural growth of demand, we have the fact of the falling off in the output of zinc ore in Silesia of 18 per cent. in the year 1863, and a consequent decline in the make of spelter in 1863 and 1864, while the quantity rolled into sheets for consumption in Germany increased in 1863 by 3000 tons over the preceding year. Concurrently with this state of matters, the French rollers have been thrown more upon Silesian spelter, their supplies of Rhenish being, it appears, insufficient. Hence it now appears that the diminished make of Silesian this year will be absorbed almost entirely by the continental demand, leaving very little for this country, which imported

diminished make of Silesian this year will be absorbed almost entirely by
the continental demand, leaving very little for this country, which imported
last year fully 25,000 tons, without adding to stock.

In proof of the statement that demand has overtaken supply, we give
a comparative return of the stocks at the end of 1862 and at the present
time. It is obviously a matter of little moment whether the stock is lying
in London or at a few days distance, in Hamburg or Breslau:—

End of 1862. June, 1864.

		1d Of 1862.	June, 1804.
stock	in LondonTons	5,600	12,400
99	Hull, Grimsby, &c., Liverpool and Glasgow	4,000	2,500
**	Hamburg Breslau, Stettin, &c.	5,000 }	Stocks nominal,
**	Breslau, Stettin, &c	10,000 \$ ****	merely in transit.
**	Havre and New York	1,500	200
	TotalTons	26,100	15,400

appear that 12,000 tons in London, with no reserves wintever on the Continent, is too large a supply; but, on the contrary, we may expect the absorption of stock will be much more rapid now than then. It is worthy of remark that purchases have recently been made in this country for shipment to France; and although the shipments to distant markets have latterly been small, this circumstance will only have the effect of bringing these markets into a sounder condition. Consumers are now free purchasers, some of them even buying for forward delivery.

THE TIN TRADE.-From Rotterdam, under date June 21, Mr. L. T. Van Houten writes:—To-day the Trading Company fixed the exact quantity of Banca tin which will be offered in the sale on the 29th inst. at 146,921 slabs. The article remains in a very quiet position, there being sellers at 64 fl. Subjoined I give a statement of the exports of Banca tin from Holland during the last three years, which may, perhaps, be of some interest to the readers of the Journal:—

STATEMENT OF THE EXPORTS OF BANCA TIN FROM HOLLAND, ACCORDING TO

RETURNS OF		ARD OF T	BADE.		
Exported to —	1863.		1862.		1861.
HanoverSlab		*******			4,180
Bremen		*******	21	*******	20
Hamburg					10,134
Denmark		*******			271
Germany			60,849		50,917
Russia		*******		*******	10,375
Sweden	280	*******	280	*******	216
Belgium	. 7,951	*******	7,842	*******	5,129
Great Britain					
France	24,350		37,202		47,392
Gibraltar			50		-
Italy	828	*******	889		1,741
Austria			266		1,178
Java			137		61
United States		*******	9,960	*******	7,163
Curacan		*******	-	*******	-
Sunisame		*******	-	*******	-
China		*******	586	******	-
Japan		*******	78	*******	-
Various countries	-		-	******	40

STEEL-MAKING IN DEVONSHIRE.—Possession of the well-known works STEEL-MAKING IN DEVONSHIRE.—Possession of the well-known works heretofore so successfully carried on by Messrs. Gill and Co., has now been formally taken by the Tavistock Ironworks and Steel Ordnance Company, to the formation of which allusion has already been made. It is intended, in addition to the development of the existing business, to at once make preparations for the manufacture of steel on a large scale. From an advertisement in another column it will be seen that Mr. Charles Gill retains the management, so that the company are prepared to guarantee the quality of all articles supplied to be equal to that which has secured Messrs. Gill their extensive reputation.

With this week's Journal a Supplemental Sheet is published, we contains a Plan of the Lovell Mining District; Mining in Austral—our Correspondent's Letter, and other details; Gold Mining in toria—No. II.; on Steam-Boiler Explosions; Reports from St. J del Rey, and other Foreign Mining Companies.

The Mining Market; Prices of Metals, Gres, &c.

METAL MARKET-LORDON, JUNE 24, 1884

NEW the spot Sales of Cassel, e to \$10.50

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Swedish, in kegs (rolled) 15 to a roll.
Ditto in maggots 17 000
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Bessemer's, Engineers Tool 44 0 0
Bpindle and 30 00
QUICKSILVER 9000-
Foreign SPELTER. Per Ton.
ZINA
In sheets 28 10 0-29 00
Wastish blacks TIN.
English, blocks105 0 0-108 0 0
Ditto, Bars (in oarrels) 106 0 0-100 0 0
Ditto, Refined
Banca
Straits
man
1A Ditto 1st quality , 1 15 0- 1 17 a
IC Ditto 2d quality , 1 70-1 84
1X Ditto 2d quanty , 1 13 0- 1 14 a
10 COKe n 1 36-1 56
LX Ditto 1 96-111A
Canada platesp. ton 13 10 0-
In London : 20s. less at the works.
YellowMetal Sheathing .p. lb. 8d814.
Sheetsp. lb. 71/4d71/4d.
Indian Charcoal Pigs)

REMARKS.—The Metal Market still remains in a state of quies the present very unsettled aspect of political matters acting very prejudi-cially upon it. It is much to be regretted that the Conference on Danis, affairs should have come to a termination without any satisfactory result; and the announcement that hostilities will be resumed on Sunday next is calculated to act unfavourably upon commercial affairs; and in addition to this, the expectation that this country will, after all, be compelled to to this, the expectation that this country will, after all, be compelled to take active measures in support of Denmark, is casting a gloom over trade generally; for, notwithstanding that the sympathy with Denmark in this country is almost universal, yet the general disinclination to war, and the knowledge that, under the most favourable auspices, great injury must occur to the commerce of the country, while those reforms and reductions, so much desired, must be abandoned for the time, causes a declaration of war to be regarded very seriously, and its avoidance, if possible to be recommended.

Rhowledge that, under the most favourable anspices, great injury mast occur to the commerce of the country, while those reforms and reductions, so much desired, must be abandoned for the time, causes a declaration of war to be regarded very seriously, and its avoidance, if possible, to be most earnestly desired. Under these uncertainties, the metal trade cannot be expected to be very flourishing, and we must wait awhile before we can hope to record any change for the better.

COPPER.—The market remains very quiet, and but few transactions have taken place. Buyers are still able able to operate at the same terms as mentioned in our last report, and under the present.

IRON.—In Staffordshire the demand for manufactured iron remains quiet, except for shipbuilding-plates, for which there are a good number of order. Iron is being sent out to the North American States, which it will not reach before July 1, when the 60 days' increased tariff terminates. It is, however, thought that there will be no abatement of the demand from that quarter, especially as in the summer months the heat there is too great for the puddlers to work. Swedish iron still remains quiet. In Scotch pigiron the market has been heavy during the week, and prices have gradually declined. At the commencement of the week prices varied from 56s. 4½d. to 56s. 9d. cash, and 57s. 6d. to 57s. 10½d. three months, and a fair business was done at these various prices. The following day the market fell to 56s. 3d. cash, and 57s. 6d. three months, but afterwards slightly improved to 55s. 6d. cash, and 57s. 6d. three months, at which extensive transactions took place. The last advices from Glasgow state that the market has been quieter, and prices lower, while the market has been somewhat irregular. Early a fair business was transacted at 56s. 6d. cash, and 57s. 7½d. three months, at which, however, sellers remained.

LEAD.—The market is quiet, with prices at 21l. 5s. to 21l. 10s. for common English pigs, 21l. 15s. for LB, and 22l. 15s. for WB.

TIN.—Transactio

TIN-PLATES, are very quiet, and sales moderate.
QUICKSILVER is still without alteration.

New York, June 7.—Trade is less active, consumers generally anticipating Union victories, a reduction in the currency, and a decline in gold, buying very lightly, and await coming military events. Generally, a confident, though painfully anxious, feeling pervades the community as to the issue of the spring campaigns. The great concentrated armies in the field, the energy with which they are directed, the earnestness and determination of those who wield them, painfully situndate the passion of this nation to maintain their teyrity of its torritory, its honour, prestige, and power, which are now all merged in the stupendous struggles of its armies—so that the very heart of our society, its trade sad finance, pulsates with their movements. The fluctuations of prices follow the rate of gold, which, with fluctuations, has laterly moved upwards. This is attributable to the increased expansion of the currency, and to excessive importations slone—hardly toany fears for the success of the army. The payments to foreign countries, however, if desive military success should result, would be made largely in Government bonds. The difference between a Government bond, payable in currency at par, and gold at a premium of 90 per cent. will, so soon as victory shall indicate the security of such bonds, lead to large remittances or investments in such, and so to a gradual reduction of sold rates; but decisive military success only will ensure this, and the decline with such would be then by the 10 per cent.

ANTINONY.—Dull at 16 c. to 17 c.

INGOT CEPTER.—A combination has taken up 600,000 to 700,000 lbs. ingot, for future delivery, at 43 c. to 43 \(\frac{1}{2}\) c. The price is now 43 \(\frac{1}{2}\) c. to 44 c., becoming shakey, steady, firm, with the fall delication.

ANTIRONY.—Dull at 16 c. to 17 c.

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Integor COFPER.—A combination has taken up 600,000 to 700,000 lbs. ingot, for future delivery, at 43 c. to 43 c.

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Integor CoFPER.—A combination has taken up 600,000 to 700,000 lbs. ingot, for future f

t, exchange as now. ch plg, January to June, 1864Tons 21,571 186312,360 Ban-Inons.—Best English and American are held, ex store, \$160 to \$162; and common, \$148 to \$150; the importation cost with gold as now, is about \$151 for English reduced. The uncertainty of duties and excise in this country will tend to prevent excessive imports hither on English account, more particularly, too, as the conviction of as 864.

es, &c. 24, 1844.

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The MINING SHARE MARKET has been particularly dull this week. The MINING SHARE MARKET has been particularly dull this week. The uncertainty respecting peace or war seems to have unsettled men's minds, and, while many have endeavoured to realise the shares they held, others have been as anxious to close at once all open and speculative bargains; and it is no wonder, therefore, that prices should give way, quotazins become in many instances merely nominal, or that the "bears," or those interested in a fall, should exert themselves, and very successfully, towards that object. East Grenville shares, on the whole, up to Friday, were firm, and fairly sustained in price, varying from 5 to 5½. On Friday morning they opened 5½ to 5½, and then declined to 5, sellers, upon a report on the market that the lode in the 65 west had again fallen off to 4 tons per fm. The last official report, however, valued it at 8 tons. In consequence of the extraordinary number of inspections of the mine—five and six in a day—and the great hindrance thereby caused to the working of the mine, the committee have resolved, in future, to set apart one day (Friday) in the week for public inspections; and, in the meantime, all changes of any importance will be telegraphed to the office. Shares leave off 4½ to 5½. Wheal Grenville, 7½ to 7½: there is no change whatever in he mine, but the winze going down below the 100 continues a splendid course of tin, worth 50%. Per fm., and letting out more water; and so does the cross-cut towards the north part of the lode in the 110, making the agent very sanguine as to the near approach to the best part of the lode. West Frances shares have been largely dealt in, and leave off 29½ to 31½, the new engine will go to work in about a month, when the shaft will be suck, and levels pushed on towards East Grenville, where there is a fine piece of ground. The lode in the blottom level (the 85) has been driven west 29 fms., worth 17% per fm., and is of a more favourable character than in the level above, where the ground was hard, and the tinstuff of low quality, and it is thou The uncertainty respecting peace or war seems to have unsettled men's minds, and, while many have endeavoured to realise the shares they held,

pershare was made. The lode in the 118 has fallen off in value, but the agent thinks only temporarily. Cargoll, 30 to 31; Clifford Amalgamated, 33 to 34; at the meeting a dividend of 10s, per share will be declared. Condurrow, 80 to 85.

Wheal Shepherds shares are flat, at 4 to 4½; the delay in cutting the lode in the cross-cut has led the agents to suppose at last that the branch met with some time ago must have been the lode, and they are strengthened in this opinion, from the fact that it has been increased in size in the shaft to 2 feet wide, and of a more promising character. Cook's Kitchen, 20 to 21; East Basset, 64 to 66; Great Laxey, 14 to 15; Great Wheal Vor, 31 to 32. Wheal Unity, 4s. to 6s.; the appearances in the 60 are such as to lead the agent to teel almost certain it is near a large deposit of ore, but so many disappointments have taken place in this mine, that nothing but an absolute certainty will move the shares. Great South Tolgus, 2½ to 3½; Hallenbeagle, 4 to 4½; Nangiles, 26 to 28; North Crofty, 4½ to 4½; North Treskerby, 1½ to 2; Pendeen, 4 to 4½. In Great North Downs, the lode in King's shaft is worth 50l. per fm., sinking at 11l.; the winze in the 30 west is worth 25l. per fm.; the 57 west, 15l. per fm.; the 67s west is worth 10l. per fm.; the 65 west, 12l.; King's shaft, 30l. Great Wheal Busy, 2½ to 3½; the winze sinking below the 130 is worth 50l. per fm.; the 130 is worth 50l. per fm.; the 140 fm. level east. Providence Mines, 39 to 40. South Caradon Wheal Hooper shares have been more in request, at 5s. to 7s. 6d. South Frances, 47½ to 52½; South Tolgus, 37 to 39. Stray Park shares declined to 28, and leave off 29 to 30. Tincroft, 17½ to 18, ex div. of 10s. per share. West Seton, 200 to 210; Wheal Basset, 89 to 91; Wheal Baller, 25 to 27½. Wheal Kitty (Lelant), 11½ to 12½; Wheal Ludcott, 2½ to 2½ wheal Mary Ann, 14 to 15; Wheal Seton, 200 to 225; Wheal Trelawny, 19 to 20; Wheal Ludcott of Hunker's shaft, so progressing favourably.

Drake Walls, 1½ to 2. At the meeting the accounts sh

hathom. Wheal Chiverton, 10\frac{1}{2} to 11\frac{1}{2}; the 40, east of Cookney's, and west of Murray's shaft, is progressing favourably.

Drake Walls, 1\frac{1}{2} to 2. At the meeting the accounts showed a balance in hand of 1317\cdot 15s. 10d.; the returns would be much greater but for the want of water to work the stamps. West of Brenton's shaft, towards the Prince of Wales, the branches are worth 15\cdot per fm. The end is improved, and with good indications for a further improvement. Prince of Wales, 5s. to 6s. Hingston Down, 4 to 4\frac{1}{2}; at the meeting, held on Thursday, the accounts showed an estimated balance in favour of the mine of \$50\cdot 12s. 3d.; cash in hand, 479\cdot 17s. 8d. The mine is looking better than for some time past, and at next account there promises to be enough than for some time past, and at next account there promises to be enough in hand for a small dividend. In the 110 west the lode is worth 42*l*. per fm. The stope in back is worth 65*l*. per fm. South Lovell, 2 to 2\frac{3}{4}; this mine, adjoining East Lovell, has just been started with a capital of 2000*l*., and the reports are of a favourable character. North Downs, 1\frac{3}{4}\$ to 2, call of 2s, 6d, naid.

On the Stock Exchange business in Mining Shares has been very quiet On the Stock Exchange business in Mining Shares has been very quiet during the week, and to effect sales lower prices have been taken. The following quotations were officially recorded in British Mining Shares:—East Grenville, 5½; East Lovell, 19; Great Laxey, 14½; Grenville, 7½, 7½; North Downs, 1½, 1½; North Wheal Basset, 2½, 2½, 2; West Seton, 195; East Caradon, 29½, 29½, 29½; East Carn Brea, 7½, 7½; New Seton, 80; South Wheal Frances, 50, 51½, 52; Chiverton, 10½, 10½; Tincroft, 17½, 18; Great South Tolgus, 2½; Great Vor, 30½. In Co lonial Mining Shares the prices were:—Scottish Australian, ‡; Yudanamutana of South Australia, 2‡, 2‡, 2‡, 2‡; Cape Copper, 10‡. In Foreign Mining Shares the prices were:—Cobre Copper, 33; Monte Aureos Brazilian Gold, 2‡; Santa Barbara Gold, ‡; St. John del Rey, 41; Panulcillo Copper, 1‡; United Mexican, 5‡.

South Lovell Mine is about to be worked by a cost-book company, in 2000 shares, of 2*l*. each. The property comprises the estates of Combellack and Mengearne, near Helston, and is in the same channel of ground and adjoins East Lovell, which has already returned 1*l*. 10s. in dividends upon each 2*l*. 13s, 6d. share, whilst the prospects are such that the shares are readily saleable at from 18*l*. to 20*l*. The lodes which run through the sett have returned in neighbouring mines nearly 1,000,000*l*. worth of tin, and are still making large returns. The property has been inspected, and favourably reported upon, by Messrs. Chappell, Salmon, and Rogers. Mr. Chappell states that if an engine be now erected tin might at once be raised; in fact, the shaft can be sunk on a good course of tin, which was left on account of water, and was the sole object of commencing the adit. He has the strongest opinions of the merits of the sett. Mr. Salmon considers it second to none in the district. And Mr. Rogers says that the chances are that sufficient tin may soon be raised not only to pay for all the erections, but leave a good profit. The prospectus and reports will be found in another column.

other column.

Lovell Consols Mine is about to be worked by a cost-book company, with 3000 shares; the prospectus and reports will be found in another column. The sett, which is to the west of old Wheal Lovell, is extensive—about 500 fms. on the course of the lodes, and the same breadth from north to south. Much preliminary work has been done, and 500 l. worth of tin has been sold. Capts. John Burgan, Thos. Faull, and Henry James have reported favourably upon the proporty. Of the 3000 shares into which the mine is divided, 2000 are offered at 2l. each, and on the closing of the share list a working capital of 2000l. will be provided. A Plan of the Lovell Mining District forms the first page of the Supplement to this day's Journal. to this day's Journal.

to this day's Journal.

The Caedryn Slate Quarry Company, with a capital of 50,000L, in shares of 10L each, has issued its prospectus, the object being to work a quarry 42 miles from the River Conway, with which it is connected by a tramway. The directors have purchased the leases and improvements of the Caedryn Quarry, which is held under lease from Lord Newborough for twenty-one years, at a royalty of 2s. per ton, lease renewable on same terms on payment of 500L fine. The quarry is now in fall work, four galleries being in operation. The present manufacture of slates can be nearly trebled by the erection of a few circular saws, to be worked by water power, of which there is always abundance for all purposes of quarry operations. Mr. T. Macdougall Smith has reported favourably upon the enterprise.

enterprise.

The Pennant Slate Company, in consequence of the numerous applications, have given notice that they will proceed to the allotment of shares on July 11. It appears that the quarries have been opened by tunnels, 30 yards, in a good vein of slate. The slate produced is considered to be of the best quality, and sufficient in quantity to last many centuries. The men are working three shifts a day, in order that the whole may be speedily in full work. No applications for shares will be received after July 4.

The Credit Mobilier Company of London are inviting subscriptions for the South Devon Slab and Slate Company, which has been inaugurated with a capital of 15,0002, in shares of 52 each, for working the well-known slab and slate quarries on the Wood estate, near Ivybridge, Devon. It is mentioned that the average profits of the larger slate quarries are 100 per cent., and it is estimated that upon the invested capital, the South Devon Company will yield an immediate dividend of upwards of 70 per cent. Several highly favourable reports and certificates accompany the prospectus.

The progress during the past week of other undertakings recently intro-

The progress during the past week of other undertakings recently introduced, the publication of whose prospectuses has been already announced, is thus reported—Great North Vor shares have been well applied for; the London list closes this day, and the country list on Monday, after which the allotment will be proceeded with. The shares are quoted 1 to 1½ prem. The Devon Copper Mine has issued its prospectus for placing the 1000 unallotted shares. Capts. James Pope, of Wheal Basset; Chas. Thomas, of Dolcoath; and T. Neill have reported favourably upon the undertaking. South Lovell shares are quoted ½ to ½ prem.

At Truro Ticketing, on Thursday, 4025 tons of ore were sold, realising 20,0981. 14s. The particulars of the sale were:—Average standard, 1251. 9s.; average produce, 64; average price per ton, 51.; quantity of fine copper, 248 tons 9 cwts. The following are the particulars:—

At the Foxdale Mines (Isle of Man) meeting, on Wednesday, the directors declared a dividend of 1l. per share on the last quarter.

At the Fineroft Mine meeting, on Tuesday, the accounts for the three months showed a profit of 2751l. A dividend and bonus, together 3750l. (12s. 6d. per share) was declared. The costs were 4717l., and the credits (Including 110 tons of this 6957l.) 7469l.; a credit balance of 586l. was carried forward. Sixty shares were sold by auction after dinner, at from 18l. 10s. to 18l. 13s. per share, the purchaser being entitled to the 12s. 6d. dividend, these realised 1112l. In consequence of the profitable state of the mine, the squats were each presented with a bonus of one month's wages, Capt. Teague, the fortunate manager, still holds 1874 shares, having increased his interest eight shares that day; Dr. Hingston, of Liskeard, 240 shares; and Messrs. Boiltho and Sons, and John Wickett, each 200 shares. The report states that at no former period did the mine look as well as it does at present.

At Clifford Amalgamated Mines meeting, on Wednesday, the accounts for the two months showed a profit of 1467l. A dividend of 1450l. (10s. per share) was declared, and 150l. carried to credit of next account. The labour cost was 7319l., and merchanis' bills, 4024l.=11,283l. The Clifford or renlated 2471, Consols, 1149l., and United, 2883l. total credits, 12,711l. This important mine, giving employment, as it does, to many thousand persons, is still looking exceedingly well. The shafts are turning out 9 tons, the ends 44 tons—considerably more than at insta account—and the stopes and winzes nearly 160 tons per fm., besides other profitable bargains. The engine-shaft is 7 fms. under the 212; 10de 4 ft. wide, worth 7 tons per fm., and letting out a quantity of hot water, and gradually improving. At Bazza's they are not looking so well, but other parts are more productive.

At East Carn Brea Mine meeting, on Thursday, the accounts for March

At East Carn Brea Mine meeting, on Thursday, the accounts for March and April showed a cash balance in hand of 13t. 12s. 1d.; and to receive for copper ores 1id, 2207t. 7s. 10d.

sold, 22071. 7s. 10d.

At Carnyorth Mines meeting, on June 17, the accounts for three months, ending March, showed a debit balance of 13721. 15s. 9d. The loss on the quarter's working was 4941. 14s. 5d. A call of 5s. per share was made. Capt. John Wallis, the manager, says:—During the past quarter the reduction in the price of tin, and the failing off in returns owing to the diminution of tributers, has been the cause of the loss which appears in the accounts. We consider our prospects in the three western levels are Improved during the past month, and we look forward with much interest to our failing

retarns owing to the diminution of tributers, has been the cause of the loss which appears in the accounts. We consider our prospects in the three western levels are improved during the past month, and we look forward with much interest to our falling in with new lodes in the cross-cuts north and south."

At Hingston Down Consols Mine meeting, on Thursday, the accounts showed a cash balance of 4791. 17s. 8d.; and the payments and receipts before the August meeting a credit balance of 5501. 12s. 3d. The cost for May and June is estimated at about 18001., and the next sampling of ore will be about 450 tons, of better quality then the last.

At East Gunnis Lake and South Bedford Consols Mines meeting, on June 18, the accounts showed a credit balance of 321. 12s. 9d.; and the payments and receipts before the September meeting an estimated debit balance of 11671. 7s. 7d. A call of 5s. per share was made. The unpsid calls amount to 1141. 3s. 10d. A telegram received at the office yesterday states that Gard's shaft is holed. The prospects in the eastern part of the mine are very encouraging.

At North Downs Mine meeting, on Wednesday (Mr. R. Hallett in the chair), the accounts showed a debit balance of 9501. 18s. 6d. The loss from Nov. to April was 8701. 18s. 4d. A call of 2s. 6d. per share was made. The agents' report state that that although the mine was not rich their chances were good, and ultimately, they believed, when their objects were accomplished, they would be attended with good result. Capt. F. Pryor (in reply to questions from Dr. Gillow) stated that the ore made over the eivan, and under it the ore had not been proved. The black eivan had gone out. Since the discovery of the ore in the 50 fm. level something like 30,0001, worth of ore had been returned.—Capt. Pryor stated that in Old Treleigh there was a good course of ore from the 85 to the 120 fm. level, and above the 85 there was a good course of ore from the 85 to the 120 fm. level, and above the 86 there was a good course of ore from the 85 to the 1

would make Wheal Peever a paying mine.—After some further discussion, a resolution was passed to the effect that it was desirable that Wheal Peever should be divided from North Dewns and worked as a separate mine, and that the manager and secretary be revealed to prepare a plan prior to the holding of a special general meeting, to be convenient to the paying and the paying and a readit balance of 1161. 15a., with arrears of calls amounting to 1891, 5s. 2d. A call of is. 6d. per share was made.

At South Carda Evidence of 1161. 15a., with arrears of calls amounting to 1891, 5s. 2d. A call of is. 6d. per share was made.

At the South Foxdade Silver-Lead Mining Company meeting, on Wednesday (Mr. Tilson in the chair), the report and accounts were adopted, and the directors re-elected. It was stated that a cargo of rich silver-lead ore had recently been sold at a good market price (obtained without machinery), and now a powerful steam-engine, 6c., had been longit, which would doubties prove the mineral resources of this property, and the mineral resources of the property of the mine, and speedily practice by practical and acientific mon from actual inspection of the mine, and speedily practice by practical and acientific mon from actual inspection of the mine, and speedily practice by practical and acientific mon from actual inspection of the mine, and speedily practice of the mine from the state of the mine, and accounts for the four months, ending April, showed a debit balance of 324. per share made.

At the Crane Mine meeting, on June 17, the accounts for four months, ending April, showed a debit balance of 1114. 19s. 10d. A call of 25s, per share was made. Mr. Johnson Ruis is to be paid 6.6s, per month for the future, instead of 61, per month, and to be considered the agent of the mine from this date. They have sold since at meeting 17 tons of copper ore, for 1944. 2s. 10d.

At the Spearn Moor Mine meeting, on June 17, the accounts showed a debit balance of 3341. de. 3d. A call of 11, per share was made. They ha

will be round in another column.

At the Kapunda Mine meeting, on Monday (Mr. B. H. Pearse in the chair), a dividend of is, per share was declared. Details in another column.

LEAD ORES.

BLENDE.

BLACK TIN.

COPPER ORES.

COPPER ORES.

Sampled June 8, and sold at the Royal Hotel, Truro, June 23.

			-			-		-
Mines.	Tons.	Price.		Mines.	Tons.		Price.	
Devon Great	Consols 137		0	East Caradon				
ditto			0	Marke Valley			2 19	
ditto			0		****** 84		3 6	
ditto		6 7	0	ditto .	****** 83		2 17	
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ditto	118	4 11	6	Devon & Corn	wall 103		1 6	
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ditto	113	6 9	6	Bedford Unite	d102		4 6	
ditto			0	ditto .	98		4 6	
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TOTAL PRODUCE. | TOTAL PRODUCE. | Total Property | Tota

ditto 1.—Total, 3640 tons.

Copper cres for sale, on Thursday week, at Tyack's Hotel, Camborne.—Mines and parcels.—Clifford Amalgamated 812—West Seton 400—Seton and Pendarves 404—South Toigus 265—East Pool 180—North Rosker 174—Toicarne 161—Wheel Basset 144—East Basset 99—South Frances 98—Mangles 30—Carn Camborne 40—North Crofty 36—West Stray Park 32—South Basset 17—Wheel Damsel 12.—Total, 3004 tons.

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WATSON AND CUELL'S MINING CIRCULAR ATSON AND CUELL'S MINING CIRCULAR published every Thursday morning, price 6d, or 21 is, per annum, contain Special Reports of Mines, and the Latest Intelligence from the Mining Districts, from as szchusive resident agent; also, Special Recommendations and Advice upon all subject sonnected with Mining, and interesting to investors and speculators. A Record of Daily Transactions in the Share Market, Metal Sales, and General Share Lists, &c. Edited by J.Y. Watson F.G.B., and published by Watsons and Cuell, is, Michael's-alley, Cornhill N.B. Messrs. Watson and Cuell have made a selection of a few dividend and progressive mines, which they have reason to believe will pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished in application.

M. R. H. O. P. T. O. N. S. N. E. W. W. O. R. K., entitled Lower Balans on ventilation, and of working out coal, with plans to show how to dial, and also lay the workings on a plan.

Address Mr. J. J. Campbell, Cropper's-hill, St. Helen's.

N.B.—The engraver requiring more time than at first expected, Mr. Hopton is very sorry the work is not yet ready. He thanks the subscribers for their great number of orders, and assures them every one shall be attended to.

STATISTICS OF AND OBSERVATIONS UPON THE MINES

OF CORNWALL AND DEVON,
For 1861, 1862, and 1863.
By THOMAS SPARGO, Mining Engineer, Stock and Sharebroker,
Gresham House, Old Broad-street, London, E.C.

HISTORY OF THE RISE AND PROGRESS OF MINING

IN DEVONSHIRE,
From the time of the Phoenicians to the present.
By G. CHOWEN.
London: Published at the Mining Journal office, 26, Floet-street, E.C.

MR. JOHN H. CLEMENT, F.G.S., &c., CONSULTING

MINING ENGINEER,

3. GLOUCESTER TERRACE, CHURCH STREET, KENSINGTON, W.

Reports after inspection on any class of mines, quarries, or collieries in any part of the rorid. Promotion of companies undertaken, whether for foreign or home mines, quares, or collieries.

Spanish, Mexican, or South American.

outeries, h, Mexican, or South American mines are considered by Mr. Clement as first-erties for investment, Norwegian sliver and copper mines as second to none.

Motices to Correspondents.

* Much inconvenience having arisen in consequence of several of the Numbers duri the past year being out of print, we recommend that the Journal should be regular filed on receipt: it then forms an accumulating useful work of reference.

Set, —A machine has lately been invented and patented, by a friend of mine, for separating particles of iron and steel from brass and copper flings, and which has now beer for some time in operation. The principle, I believe, is adapted, or capable of being adapted, to the separation of "gliss," or other compound of iron, from the ore. Would any of your renders send me a small sample—say, 5 or 6 lbs.—of the ore from the stamps, in order that I may test its efficiency? They should carefully weigh what they send, and I will return them the ore after it has been acted upon. By inserting this in next week's Journal you will oblige—C. W. Obrond, C.E.: 58, New-street, Birmingham, June 22.

Cologne Mining Company,—Can any reader inform me whether this com up, or where the offices are? as I have been one of the unfortunate hold old and new issue of shares. The directors have sent no report to the si vears. - K. C

come years.—R. C.

Sunis Machiness.—Seeing in the Journal an enquiry of the Purser of East Gunnis Lake
Mine what the result was of the trial of Crease's boring machine, and seeing no reply,
a a Sharcholder, I should like to ask the Purser who is paving the expenses of this
long trial—whether it is borne by the patentee, or by the sharcholders of the mine;
also, what progress the trial is now making, and whether it is stopping the progress
of the mine?—INQUIRER.

of the miner—INCULIER.

Wentworth Consols.—As a shareholder in this mine, I should like some information with respect to its position and prospects. It is a singular circumstance, although an questionably one that could be easily explained, that som after the mine was place before the public the shares were quoted 181, to 191, but as the "important points, so magniloquently referred to by the projectors, were the nearer reached the less became the market value of the shares, until at length they are no longer quoted. Cat this latter circumstance be explained?—A SHAREHOLDER.

this latter circumstance be explained?—A SHAREHOLDER.

BRYN GWIGG.—I notice in your report of the proceedings of the general meeting of this company, which appeared in last week's Journal, that a call of 11, per share was made. How does this contrast with the statements so frequently put forth during the past two years, as to the extrao dinary richness of this property?—CAMBRIA.

"Advice to Young and Old Speculations."—May we not very properly remind the "castions" gentleman, who profered the above advice, that North Downs has not yet produced those brilliant results which he prophesied, for the shareholders have once more been called upon to pay 2s, 64, per share towards liquidating the loss of between 8001, and 9001, the result of the past six months' operations? Without adverting to the lamentable absence of anything approaching verification with regard to his prophetic wisdom in connection with Pendeen, West Trevelyan, Wheal Harriett, &c., I may, perhaps, be permitted to enquire when it is thought probable that dividends will be paid in Great Retailack, from the "large percentage of aller" contained in the blende?—An Adventurer in Souther Correspondent in the County of Cork."

MINING IN IRELAND. -The letter from "Another Correspondent in the County of Cork, is too personal for publication in the Journal.

is too personal for publication in the Journal.

TWELVE APOSTLES MINE, NEAR WHEKHAM.—Having seen many good reports in the Journal as to the value of the ground in the various parts of this mine, but which as yet bave not been confirmed by sales of lead ore in the market, causes a doubt as to the grouneness of the statements so issued. On close enquiry, I am told the ores are not sold propurly, but transferred into the hands of a middleman, who sells it to his own smelter. If true, this shows a strange course as to the company's management, which is always of vital consequence as to inducement to capitalists. The idea of selling 50 and 100 tons in such a way, in the face of so many merchants who are always open to the market, would seem as if there was a screw loose somewhere, and I am told there is; but doubties those interested will deem it their duty to look into the matter, and make any necessary alterations in the present system of conducting their eperations, for it is too often the case, though it may not be in this, that the middleman is not the best agent a company can have, in returning either price or quantity. Let it not be considered possible that a Judas can exist among the Twelve Apostles of the present duy.—J.

East Part. DDE Mining Company —The statements of Market 200.

EAST PANT-DDU MINING COMPANY.—The statements of Mr. T. E. W. Thomas, in last week's Journal, are quite unworthy further notice from—S. MERRIWEATHER.

IMPROVED MINING MACHINERY .- A recently-formed mining company about commencing operations on a large scale, are desirous of obtaining information as to the best description of materials and general appliances required. With this view, they propose to give a sum of 20% for a good epitome of the most approved machinery and mechanical apparatus essential for an extensive mining establishment. No elaborate details are required, merely a brief recital of inventions or articles, with their chief points of excellence, names of makers, prices, &c—the object being to acquire precise particulars of the more recent improvements in mining and mechanical engineering materials before giving out their orders.

and mechanical engineering materials before giving out their orders.

[A cheque for the above amount has been handed to the Editor of the Mining Journal, who has undertaken to forward all papers received to the donors, and to pay the amount to the writer of the one which they shall deem most deserving of it. It will, of course, be understood that the prize paper will be published in the Journal. All others will be returned, or published, as may be arranged. The desire to procure the most efficient machinery not being by any means confined to those offering the present premium; the Editor will undertake to publish brief mechanical descriptions of any improved apparatus which may have been invented by those not disposed to treat the subject generally, upon being furnished with the necessary particulars.]

THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, JUNE 25, 1864.

The commercial horizon has been gradually darkening during the last month. Political events have cast a gloom over the fair prospects that until very recently existed in financial and general mercantile circles. The storm appears to be rapidly rising, and threatens, ere long, to burst over us. Many a well-conceived scheme will be abandoned in a state of immaturity, for no other reason than that legitimate enterprise is checked by the unnecessary caution that is often exercised in times of political untainty like the present

It was anticipated by those who are most competent to form an opinion on the subject, that means would have been found by diplomatists for the avoidance of war, but we now greatly fear these anticipations and hopes will be disappointed, and that in a short time we shall most reluctantly

be forced into a war for the maintenance of our country's honour. We hope, however, to be preserved from most of the concomitant horrors and calamities that would prevail if we were engaged in war with a maritime power. The prudence and sagacity with which our Government have conducted the affairs of the nation has enabled the great representatives of commerce to regulate their operations in such a manner that in the event of peace being disturbed the species of panic and confusion which arose at the outbreak of hostilities with Russis in 1864 will not see in cours. It is doubted break of hostilities with Russia, in 1854, will not again recur. It is doubted by some whether the present stagnation of trade will continue, to so great a degree, after an open declaration of war. The position of affairs at the pre-sent time is one of suspense, caused by a disinclination on the part of the

greater number of our largest capitalists to enter into any extensive comgreater number of our largest capitalists to enter into any extensive com-mitments until the future course of events has been determined, and by much unwillingness amongst mercantile classes to pay a high rate of in-terest for money; consequently, for some time past there has been almost a total absence of speculation. As soon, however, as the worst is defi-nitely known, a great deal of the present hesitation will be exchanged for vigorous action, and we may shortly expect a resumption of activity in most branches of commerce. Germany will be utterly powerless to interfere with our trade anywhere, excepting within her own territories; therefore, all we shall lose in commerce, will be the custom of the Germans for those commodities that we have been in the habit of selling them. On the other hand, we shall take from our own colonies much of what we at present buy from Germany. Past experience has shown that, whenever our merchants have been ex-

cluded from any particular market, their energy and enterprise have quickly opened out a fresh one. It cannot be denied that recent political complications have exerted a very salutary influence in some quarters. The rage for joint-stock speculations was so great in April and the early part of May, and the facilities offered by stockbrokers for the promotion of new companies were so tempting, that many schemes of dubious character (if not positively hazardous) were thrust before the public; and the evil threatened to assume such dangerous proportions, that in this respect the rumour of coming war has been unquestionably beneficial to the commercial interests of the country. The great bulk of new joint-stock schemes will, however, probably be found to be based on sound principles, and these will now be enabled to strengthen and secure their position before the competition of musbroom concerns will again have the appropriative of invisions. petition of mushroom concerns will again have the opportunity of injuring them. The species of securities that will depreciate the most in value are foreign loans and foreign railway shares. We have, on former occasions, pointed out these probabilities, and now again urge on our readers the desirability of investing their capital in BRITISH undertakings.

There is plenty of scope for the profitable employment of money in our own country and the colonies, and that upon security of a very different character to Spanish or Mexican bonds, or American Treasury notes, &c. The inconvenience of holding securities of this class will be keenly felt when war breaks out, and the value of English Government bonds will be plainly indicated by the maintenance of their position in the money markets and Exchanges. kets and Exchanges.

Firmly convinced, as we all are, that nothing more materially affects the interests and well-being of England generally than her mercantile inter-course with the world at large, we naturally find greater attention paid at the present time to our commercial connection with other countries than there ever was before. Dependance is an essential consequence of great international trade; and, if we grant this as true, there cannot be a more important subject for our consideration than the conditions under which, and more especially the probable duration of those sources of particular articles of trade with which we are most intimately connected. Now, we as miners, more particularly address ourselves to that branch of commerce dependant on our supplies of metals; and, since some of those countries whence our metallic imports are derived present features so entirely differ-ent to those which characterise our English mining districts, it cannot but be interesting to miners and consumers all to point out some of the more striking peculiarities of certain foreign metal-bearing strata, confining our

occially to copper-bearing strata.

does not permit us to enumerate more than a few of the more striking districts, nor does it allow of our entering on geographical de-scriptions of their positions, and we would only wish to mention some of their geological and mineralogical points which distinguish them from our English copper districts. Of late we have had peculiar opportunities, through the Mining Journal and other periodicals, of noting the more important copper-yielding countries, and it must have been apparent to the most casual observer of these that Chili stands first and foremost as our source of copper. Now, Chili has occupied this prominent position for years past, and yet still continues to do so; and, in reviewing the richest mines as yet worked in that country, we cannot remember one more interesting geologically, or more valuable commercially, than the great mine of San owned by Mr. Sampson Waters, of Falmouth. Situate in a nest s, San Pedro lies about 70 miles inland from Chanaral, a small por north of Copiapo, which latter place has been notorious in Chilian annals, or rather we may say in South American history, for its silver mines. Riding up from Chanaral on mule back to San Pedro, the country is re-Itteling up from Chanaral on mule back to San Pedro, the country is remarkably barren, there not being a blade of pasturage to cheer the eye, a condition of things, as may be supposed, peculiarly advantageous to the miner seeking minerals. As we approach the neighbourhood of the mine we observe spots of a greenish colour, indicating the presence of some salts of copper; and it was by these surface indications that the discoverer of San Pedro was attracted while prospecting for mines. The large amount of greenish gossan on this particular spot induced the finder to remove the surface, and he had no sooner done so than was revealed to him a deposit of rich grey sulphide of copper. We use the word deposit here purposely, for no traces of a resemblance to a vein could be found in the adjacent rock, the ore being confined to an oblong mass 75 ft. long by 54 ft. wide. We very being confined to an oblong mass 75 ft. long by 54 ft. wide. We very much doubt if any similar deposit of ore has ever been discovered. Just picture an almost solid mass of grey sulphide of copper, containing more than 30 per cent. of metal throughout it, embedded almost perpendicularly n the earth. It outcrops nearly at the summit of the mountain, and is worked from the top, arches of ore being left at intervals to prevent the adjacent country from falling in. Unfortunately, however, we fear from the desire to leave only just what was considered a sufficiently strong arch, the sides have fallen in, and it has been necessary to open another channel to the unworked ground. In consequence of this, for a time no ore can have been extracted from this most wonderful place, but the new channel must now be almost, if not quite, opened; and, when it is so, we may expect a continuation of our former supplies from there, which in amount pect a continuation of our former supplies from thence, which in amount we believe has been rivalled by no mine in the world in proportion to the ground opened. San Pedro yielded for some months from 750 to 1000 tons of grey ore of 30 per cent. per month. So much for the ore itself. Now, as to the containing rock, in which this pillar of ore occurs, we think it is diorite, although the present ma-

this pillar of ore occurs, we think it is diorite, although the present manager of the mine, a man of great practical experience in Cornish mining, nager of the mine, a man of great practical experience in Cornish mining, would rather call it elvan, yet he, at the same time, admits that it does not exactly resemble any elvans he has ever met with in Cornwall. In sinking on the deposits at intervals, patches of a dark tufaceous rock are found, with some quantity of a soft white stone, very like decomposing felspar in appearance. In depth the containing rock has increased in hardness, and with this increase of hardness the size of the deposit has somewhat diminished, whilst at the same time the ley, or percentage, of the ore has increased from 28 to 32. In attempting to estimate the probable duration of the mine of San Pedro, we are quite at a loss, as we cannot argue from any deposit in any part of the world; and all we can say is, that hitherto the diminution of the pillar in depth is not such as to make us think it can be soon worked out. make us think it can be soon worked out.

We will now pass to another almost equally famous mine—the Cobre Mines of Cuba. The mineral veins, of which there are three in these celebrated mines, occur in large-grained porphyry near its contact with conglomerates. The strike of the lodes and veins is coincident with the conglomerates. The strike of the lodes and veins is coincident with the strike of the porpheries and conglomerates, and with the direction of the monatain ridges, all running nearly east and west. The dip of the lodes is south, that of the bedded deposits north. The greater part of the ore derived from these mines has been extracted from a space not above 1000 yards in length, and 250 yards in width. When discovered the surface of the ground seemed to be nothing but a gossan of great width, presenting a ferruginous appearance. This upper crust, however, was shallow, and was no sconer removed than a splendid vein of black and red oxide of copper was revealed, and from which millions worth of copper were dug out. At some 20 fathoms from surface the lode became more massive, and changed from oxides into sulphides of copper. All the lodes oxide of copper out. At some 20 fathoms from surface the lode became more were dug out. At some 20 fathoms from surface the lode became massive, and changed from oxides into sulphides of copper. All the lodes have proved peculiarly bunchy. The difference between the class of ore found at the surface of these veins and that which they have yielded in the surface of these veins and that which they have yielded in aepin is due, undoubtedly, to the action of the air and the numerous surface agencies on the exposed sulphides of copper, and by which the sulphides became converted into oxides. The orey ground of the Cobre Mines terminates suddenly on its west side in meeting with a cross-course. Iron pyrites in most uncertain quantities has been a characteristic of the lodes throughout their depth. The most remarkable feature in these Cobre lodes is their occurring in ground which we should hardly infer would be winerabled, from the fore of the white historic forest feature. mineralised, from the fact of the rocks being chiefly formed of frequent alternations of metamorphic and mechanically formed beds. Other districts there are in Cuba where copper is found in granites and syenites. We have in the foregoing observations drawn attention to some of the more rare and irregular metallic deposits which have come under our own

me of the

immediate observation, and our object in doing so has been to add if pos-Immediate observation, and our object in doing so has been to add if passible a little to that store of facts required to release from its present that the great question of the formation of metallic deposits. We think our only chance of solving this question will be by pursuing a rigorous course of induction, founded on close observation. Hitherto miners have seel lected to record their experiences, and we are as yet in no position to determine which of the numerous theories propounded by men of science in account for the presence of metallic bodies in veins or irregular deposits in correct. Deploring, then, as we all must, the want of that knowledge by which alone we can gain our end, we would earnestly invite all interested which alone we can gain our end, we would earnestly invite all interes which alone we can gain our end, we would statically hirde an interested in mining who have the opportunity of observing peculiar phenomena connected with mineral deposits to record carefully all they see, for by this process alone can mining enterprise rid itself of that apper by which its due appreciation has been hitherto clogged.

A FRENCH VIEW OF THE ENGLISH COAL TRADE

The committee of French coalowners has reviewed the position of the English coal trade in 1862-3. The committee seems thoroughly impressed English coal trade in 1892-3. The committee scale introduciny impressed with the greatness of British coal mining industry, as it well may be, seeing that the English production, although slightly reduced in 1862 as compared with 1861, was 82,000,000 tons, while the production of France, although pushed forward with all earnestness, only reached an aggregal last year of 10,000,000 tons. The committee also records with respecting astonishment the fact that the consumption of the London market 5,000,000 tons per annum, or nine times as much as that of Paris, while a coasting trade of 10,000,000 tons per annum exists on the British coast a coasting trade of 10,000,000 tons per annulu cases on the Dillian coast line, and on the French coasts no corresponding trade prevails. To compare French industry with English industry would, the committee consider, be truly regretable in presence of such circumstances; and it seems to think that it is necessary for France to resign herself to consider as her superior than the consider as the superior consideration in metallurgical industry, and in manufacturing processes, the count which disposes of such a power. The committee admits that this opini is not likely to be well accepted in France at the present time, accustom as the French are to pompous dissertations on their developed and un-developed resources, their commercial power, and their industrial future. If, however, the facts are analysed, the committee thinks that in presence of English industry of which the national coal production is the of English industry, of which the national coal production is the most real and sure expression, it will be seen that it is a hard matter for the French to enter the lists as industrial competitors with the English. The immense coal production of England equalling that of almost all other nations united—France, Prussia, Austria, America, &c.—is not a fact which is to be attributed to the nation; it results from the constitution of the soil. De attributed to the nation; it results from the constitution of the soil. Coal is a gift, says the committee, which Nature has made to England on the largest scale, and on the best conditions, while in all other countries coal is distributed with parsimony, and under conditions less favourable for working. The superiority of England, the committee considers, results from its insular situation, its narrow and elongated form, and the multiplicity of the ports which line its coasts, so that there is no industrial establishment situated in this narrow zone, which finds itself at a distance of more than 50 or 70 relies force, a root from which it could essentially of more than 50 or 70 miles from a port from which it could economically transport its products. According to the French coalowners, all is, then, the work of Nature, and England must necessarily arrive at the first rank in economic fabrications, from the economy resulting from the low coal, the extent of production, and the facility of deliveries. For to seek to struggle against a country so well endowed-France, with inferior elements, with central establishments, situated at 250 to 350 miles from rior elements, with central establishments, situated at 250 to 350 miles from the littoral—would be all the less possible, since coal, which is worth 10s. on the mouths of French mines, sells for scarcely 5s. under similar circumstances in England. But it is said by some persons in France, "Let us take coal in England, and we will then make what the English manufac-

This is scarcely admissible, since coal, which is worth at the pit's mouth This is scarcely admissible, since coal, which is worth at the pit's mouth in England 5s. per ton, costs already 6s. to 6s. 6d. per ton when transported to the sea and put on board a ship. It would then have to be carried to one of the French ports, and the freight varies from 8s. to 11s. 3d. per ton. English coal costs, then, in the French ports 16s. to 17s. 6d. per ton. It is then necessary to disembark it, carry it to the works on the coast, and undergo and calculate on all losses; so that if English coal, delivered at the furnaces where it has to be consumed, only costs 19s. or 19s. 3d. per ton, the importer or purchaser considers himself very fortunate. But how does this compare with the 5s. to 6s. per ton which corresponding works in England would pay for coal? Industry carried on on the French coast-line with English coal would be still more artificial than that of the departments in the centre of France, and a few small exhibit the coarse of the paying the paintained.

than that of the departments in the centre of France, and a lew same tablishments, responding to local wants, can only be maintained.

Adverting to the well-known fact that the importation of English coal into France declined last year, the committee observes that this result arose, first, from the reduction of consumption in districts which have cotton for the principal basis of their industry; and, secondly, from the rise in freights. This elevation in freights, coupled with the scarcity of ships, impeded in a notable manner deliveries of coal, which are always considered as a comparatively unfavourable freights. It communications from Nants, Have. aratively unfavourable freight. If communications from Nantes, Have, and Rouen to the departments of the Centre had been better assured by inand some to the departments of the Centre had been better assured by internal navigations—if canal dues had been suppressed on coal—the committee entertains no doubt that French coal would have taken on the markets of the littoral a position which would have been very profitable to consumers. We have summarised some of the opinions calmly and dispassionately expressed by the committee. The views enunciated support is substance the conclusion at which we have previously arrived in these columns that, after all, England has material power and realised success on her side. France appears in a realizer propleagant dilemms. First of on her side. France appears in a rather unpleasant dilemma. First of all, she does not produce all the coal she requires; secondly, she is obliged to resort to importations, to which she has an aversion; and thirdly—according to the committee of coalowners, at any rate—she cannot import English coal so as to use it profitably. Yet she does import it to a consi-English coal so as to use it profitably. Yet she do derable extent, and, for all that can be said to the now to have attained a better commercial position than she ever or at any previous period of her history.

EXPORTS TO FRANCE.—In the twelve months ended Dec. 31 last the total declared value of British produce and manufactures exported from this country to France amounted to 8,667,138/. In the preceding year the aggregate was larger by little more than half a million sterling. The most important items are coals, hardware, and cutlery, haberdashery, machinery, items and extend of all kinds of the coals. chinery, iron and steel of all kinds, copper and tin, wrought and unwrot sheep's wool, cotton, lineu, silk, and woollen yarn, and manufactures, the subjoined table are the values of the chief commodities of British duce or manufacture, shipped from the United Kingdom to France, in by years 1862 and 1863, specifying the respective increases or decreases:

Years Ended Decreases

	YEARS	ENDED	DECEMBER	31.			естеви.
	1862	1.	1863.		Increase.		
Alkali-Soda	39,2	31					
Coals	611,9	42	544,211			*****	
Machinery of all sorts		42			9,785		
Iron of all sorts	1,043,6	26	729,766				00 78
Steel		41				*****	
Copper, unwrought		20	593,550		287,530	*****	_
Copper, wrought		71			182,068	*****	
Lead and shot		61					-
Tip, unwrought		72				*****	-
Tin-plates		92			4,134		
Oll send	909 6	14	169 799		-		
						from	a tota
Of foreign and colonial	produc	e the s	hipments	have 1	creased	HOM	-4 -08
of about 41 millions in 1	858 to	one o	f 124 mill	ions in	1862, t	ne late	at you
to which the returns of t	1.11-		- and min	ma boa	n compl	eted.	
to which the returns of t	this cis	10 SSA	exports na	ve bee	u comb	ceeu	

 LEAD EXPORTS.—The exports of lead appear to have been, on the whole, extending of late years.

 Thus the exports of pig, sheet, pipe, and shot have been as follows year by year since 1849:—

 1849
 Tons 17,026 | 1854

 1850
 21,916 | 1855

 1851
 19,488 | 1856

 21,916 | 1857
 22,247 | 1860

 1852
 19,966 | 1857

 21,936 | 1867
 22,081 | 1862

 1853
 16,242 | 1858

 1853
 16,242 | 1858

 1854
 19,555 | 1863

 1855
 19,555 | 1863

 1856
 19,555 | 1863

 1857
 1858 | 18,555 | 1863

 1858
 19,555 | 1863

 1859
 1858 | 19,555 | 1863

 1859
 1858 | 19,555 | 1863

| 1603 | 16,242 | 1858 | 19,555 | 1863 | 39,184 |
| To these totals must be added the following quantities of lead ore, red and white lead, and litharge:—
| 1840 | Tons | 3,979 | 1854 | Tons | 3,395 | 1859 | Tons | 6,545 | 1860 | 6,851 | 1851 | 3,919 | 1855 | 5,855 | 1860 | 6,851 | 1851 | 3,3919 | 1856 | 5,788 | 1861 | 7,414 | 1852 | 3,505 | 1857 | 6,616 | 1862 | 5,451 | 1853 | 3,358 | 1857 | 6,616 | 1862 | 5,653 | 1858 | 5,819 | 1863 | 5,655 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1865 | 1

So much for quantities; now for values. The value of the pig, sheet, pips, and shot exported in 1849 was 287,737L; in 1850, 387,394L; in 1851, 344,315L; in 1852, 353,180L; in 1853, 376,940L; in 1854, 466,967L; in 1854, 466 1855, 513,315l.: in 1856, 582,269l.; in 1857, 549,523l.; in 1858, 459,952l;

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is 1859, 480,845*L*; in 1860, 543,299*L*; in 1861, 423,421*L*; in 1862, 766,488*L*; and in 1863, 776,067*L*. The value of the lead ore, red and white lead, and litharge, exported in 1849 was 81,981*L*; in 1850, 104,883*L*; in 1851, 86,186*L*; in 1852, 77,526*L*; in 1853, 81,086*L*; in 1854, 90,552*L*; in 1855, 135,184*L*; in 1856, 151,935*L*; in 1857, 175,229*L*; in 1858, 156,263*L*; in 1859, 187,237*L*; in 1860, 157,987*L*; in 1861, 146,701*L*; in 1862, 172,633*L*; and in 1863, 158,774*L*.

PATENTS IN ENGLAND AND AMERICA.

The Introductory Report for 1683 of the United States Commissioner of Pazzta is particularly interesting, since he departs "from the formality of a purst official communication, and addresses himself through Congress" to the public, for whose benefit the reports are mainly intended. This subjects to which he calls attention and addresses himself through Congress of the public, for whose benefit the reports are mainly intended. The subjects to which he calls attention and the congress of th

their special accomplishment in the arts which it is their duty to examine. No system of examination like this exists in Europe, except to a very limited extent. In Great Britain, France, Austria, Belgium, Spain, the Roman States, Sardinia, and the Sicilies and Saxony, there is no examination as to novelty. In Prussia, Russia, the Netherlands, Hanover, and Bavaria there is an examination by learned societies and commercial boards, instituted mainly for other purposes, but the whole number of patents granted in the last-named countries in 1858 was only 173; while in the first-named countries, in the same year, there were issued 10,297 patents. So that, considering the number of patents issued, the peculiar system of America stands comparatively alone among those of all civilised nations.

Referring to invarious connected with Matallurgy, he states that—

America stands comparatively alone among those of all civilised nations. Referring to inventions connected with Metallurgy, he states that—
In reasting ores as important improvement has been made, which consists in passing incore in the powder through flame, or the hot gases from combustion. By this process, each minute particle of ore is roasted by itself, and the result is that the roasted ore is in the powder, instead of being in an agglomerate mass, as it is when the ore is roasted in a heap. It is well known that but a small part of the gold is encased in the sulharest, so as not to be reached by the mercury. If the ore has been roasted in the outmon mode, the incrusting stay or earthy oxides still protect the gold, to a great extent, from the action of the mercury. By the new mode of roasting, it is believed that the precious metals will be found diffused through the fine powder in globules, of easy access to the mercury. The powdered ore may either be blown through the fiame for a vereteratory farnace, or it may be allowed to fall through a shaft, and then be seed upon while failine by fiame and hot vapours or gases. Immediately after the ore laves the fiame it is thrown or falls into water, whereby the earthy matters in it are farther dishingerated. The production of iron and steel has been greatly advanced during the year. The principal aim of inventors has been to produce the better qualities

of iron, and, especially, to make iron possessing many of the qualities of steel. The large demand for the best kind of iron for war and naval purposes, and for the production of a better class of agricultural implements, has greatly stimulated this branch of industry. It has long been an object with inventors to make malicable iron on a large scale directly from the ore, instead of first making pig-iron, or cast-metal, and then burning out the carbon in it by pudding or other means. Several patents have been issued for accomplishing this. These are on the principle, not now new, of reducing the ore by the hot products of combustion, yet keeping the temperature so low as not to fuse the mass of ore. When reduced, the metal is raised to a weiding heat, and at once formed into blooms, one fire serving both for the weiding and the reducing processes. Several minor improvements have been patented on what is commonly known as the Bessemer process. Three patents have been issued for making steel, by combining in different modes cast and wrought iron, the novelty consisting only in the mode of effecting the result. One of these processes consists in heating in a crucible the wrought-iron to a white heat, and then letting into the crucible pig or cast iron directly from a blastfarace or cupola. Another inventor makes a kind of steely iron, by meiting together, in proper proportions, particular kinds of cast-iron and bat-iron. The third process consists in treating the cast-iron on the puddiling-hearth until it becomes granular and apongy, then throwing it into water, and reducing it to powder. This powder is then enclosed in a wrought-iron box, which is subjected to a welding heat, and the box and its contents placed under the hammer.

Two patents have been issued for improvements in gold-washers, ore-separators, and apparatus for collecting gold and aliver by the process of amalgamating them with mercury. Compared with former years, this shows increased interest in mining for the preclose infinations of gold are obtai

THE GAS-POWER ENGINE.

the application of what is old to a new purpose should not be the subject of a patent.

THE GAS-POWER ENGINE.

At the time of the International Exhibition, in 1862, reference was made in the Mining Journal to a very efficient gas-power engine, invented by Mr. Lenoir, of Paris, and exhibited in the French machinery court; it appears that the machines are now being manufactured in this country by the Reading Ironworks Company (Mesrs. Barrett, Exall, and Andrewes), at their Kate's Grove Works, and, as they possess the great advantages of economy, compactness, and efficiency combined, they will, no doubt, gradually come into use. They require no boiler, chinney, or expense easing with the stoppage. The Lenoir gas-engine consists of a cylinder laid horizontally on a cast-iron frame, and a piston which is moved in the cylinder, and which, by a connecting-rois, transmits the motion to the horizontal shaft on which the fly-wheel and motive pulley are fixed. The gas is introduced from the ordinary service pipe through a vulcanised India-rubber bag, the object of which is to regulate the flow of gas, and to prevent any sadden jerking in the gas pipe. The valve opening to the cylinder is connected with an eccentric in the usual way. Two Bunser's piles, sufficient to produce the electricity, are placed at a little distance from, and in communication with, a Rahmkorff coil. The electric current of this apparatus is conducted by means of insulated wires to the distributor, placed on the front part of the frame of the machine; and the course of electricity, and its arrival at the inflammator, inserted at each end of the cylinder, is directed by the movement of the piston-rod, which, by an ingenious combination, impels a small movable slide before the distributor. The barnt gas, after having done its work in the machine, seages, and a supply of cold water is admitted to cool the passage. The machine is easily started and stopped, and a metre such as is ordinarily used for 20 Journers will pass sufficient gas for a one-horse po

IMPROVED BLASTING-POWDER.-Messrs, Schäffer and Budenberg, of Improved Blasting-Powder.—Messrs. Schaffer and Budenberg, of Buckau-Magdeburg and Manchester, have patented an improved blasting-powder, which consists of the combination of nitrate of potash (saltpetre), nitrate of soda, sulphur, wood charcoal, coal, and nitrokalitartaricum (potassiotartrate of soda). They may be combined in the proportions—saltpetre, 30 to 38 parts; nitrate of soda, 40 parts; sulphur, 8 to 12 parts; wood charcoal, 7 to 8 parts; common coal, 3 to 4 parts; and potassional solar descriptions—saltpetre foods. tartrate of soda, 4 to 6 parts, which are mixed together, after being redued to fine particles. These proportions may be varied. By the combination of these matters a combustible composition is obtained particularly applicable of blasting purposes, by giving increased effect with a slow and perfect combustion.

COAL-WASHING.—Mr. Isaac Francis, of Nant, near Wrexham, has recently invented an improved slack-washing machine, which the Broughton Coal Company, who have had it for some time in operation, state does its work well, whilst its very great simplicity and cheapness are strong recommendations in its favour. The apparatus consists of an ordinary trough, 12 in. square and 12 ft. long, mounted on trunnions, and slightly inclined; the slack is dropped in from a suitable hopper at the upper end, and the water to wash it is let in from an ordinary service-pipe. At the lower end of the trough is a sluice-valve, which is raised and lowered by a screw. It is estimated that this machine, supplied with 50 gallons of water per minute, will yield 30 tons of cleaned slack in ten hours, assuming the slack washed to be about one-third refuse; the quantity of clean slack obtained would, of course, depend upon the quantity of water supplied, and the amount of impurity with the slack. The water is the only power employed to drive the slack forward. In its passage along the trough the

slack becomes separated from its heavier impurities, such as shale and pyrites, which are deposited on the bottom, and gradually cover it; if the process were continued without impediment the pyrites, &c., would be washed over with the slack, but this is prevented by the sluice working up through the bottom at the lower end being gradually raised to keep the shale, &c., back, whilst the clean slack is washed over. When the trough is nearly full of refuse, it is emptied by being tilted on the trunnions. It is mentioned that during the past half century the system of washing and dressing ores has doubled the value of lead, copper, and tin mines, and that during the past few years coalowners have found it advantageous to wash their small coal for coke-making and other purposes.

REPORT FROM NORTHUMBERLAND AND DURHAM.

REPORT FROM NORTHUMBERLAND AND DURHAM.

June 23.—The demand for coal and coke is, on the whole, good, but complaints are heard of dulness in some branches: we believe this is confined to the gas and house coals, and, of course, at this season dulness is always more or less felt in those branches. So far a finer season has hardly been known in the North, and the crops of grass and grain look very well, so that it may be expected that the provender for horses will be cheap, and this is a very serious item in the cost of working collieries. An early harvest, also, appears to be very probable, if not certain.

Several meetings have been held lately on the subject of the "Miners' Permanent Relief Fund," and although the progress of this fund has hitherto been slow, it is evidently gaining ground, and is gradually making greater progress among the miners of the North. Important meetings have been held lately at Ouston Collieries, and also at the Walbottle Collieries. At the former place the meeting was held at Perkins Villa, Captain A. Hunt, one of the owners of the colliery, presiding. Addresses were given by Mr. Taylor, of Neweastle, and by Mr. A. Blyth, of Dudley, the secretaries of the Fund. There was a good attendance, consisting of men employed in the district. On Monday evening last a tea meeting, in furtherance of the objects of the Fund, was held at Walbottle Colliery. At the meeting held afterwards, Mr. Ramsay, the viewer, presided, and urged the miners present to join the society. It transpired at the meeting that 250 miners are employed at those works, and only 70 of that number are members of the Fund. Mr. Taylor, of Newcatle, narrated a case in which a miner had become a member of the association, and had neglected to pay his subscriptions for twelve weeks, which fing of the fund. Mr. Chipchase and Mr. T. P. Barkas also delivered addresses, and expiained the objects and advantages of the institution.

On Saturday morning last the committee of the Fund held their quarterly meeting at the offices of the s

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

JUNE 23.—The Iron Trade looks fully as quiet this week as last. The question of the future import duties in the North American States is still undetermined, but it is generally anticipated that heavy duties will be imposed on British iron, and the last mails have brought a good many countermands. As repeatedly insisted upon in this letter, the course the trade will take with America is pretty sure to determine the range of prices here, and the check to the American demand is depressing the markets; yet the general conviction is still that prices will not be altered at the Preliminary Meeting on this day week. The trade is in an anomalous position. The notices to the colliers and blast-furnace men in the thin coal district for a reduction of 10 per cent. expired on Saturday last. The men have in a great many cases gone to work at the reduced prices, and all fear of a strike, which was never regarded as likely, is at an end in this part of the South Staffordshire district. In the Duoley and Westbromwich district the blast-furnace men are refusing to accept the reduction, and are out. The result is that a great number of blast-furnaces have been blown out already, and unless the men yield it is said that by the end of the week some thirty will be put out. Pig-iron, which was selling rather better this week, is again in little demand, and the pig-makers are by no means unwilling to reduce the make, though the blowing-out and relighting of furnaces is an expensive operation. It is regarded as certain that the reduction of miners and blast-furnace men's wages will soon be an accomplished fact.

Hitherto a fall in the wages of these branches has been accompanied by a corresponding reduction in the wages paid to puddlers, shinglers, millmen, and others employed at the works for the manufacture of finished iron, but at the present moment the reduction in the last department does not appear practicable, really because this class of men, but especially paddlers, are not in exces

to be pursued by the trade is so much a matter of discussion as at the present moment.

The Cannock Chase and Wolverhampton Railway, the bill for which has passed the House of Commons' Committee, will be an important means of conveying the Cannock Chase coal to the great population and the large works near Wolverhampton.

Some time ago, the increased use of locomotives on tramways at the ironworks and collieries of South Staffordshire was noticed. The practice has now been fully tested by protracted trial, and the great saving which results is extraordinary, the cost, as compared with horses, being, it is said, only about a third. At one large concern the tramway is only 2 feet 6 inches wide.

said, only about a third. At one large concern the tramway is only 2 feet 6 inches wide.

The mining arbitration case, in which the Stourbridge and Kidderminster Banking Company and Messrs. Jesse and D. S. Moore, of Walsall, with also the representative of Thomas Moore, were the plaintiffs, and Mr. H. B. Whitehouse (assigned from Mr. Benjamin Gibbons) was the defendant, was concluded on Friday, at the Hen and Chickens Hotel, Birmingham. The plantiffs were represented (as at the previous two sittings at Wolverhampton) by Mr. Millis, of the Midland Circuit, instructed by Messrs. Stubbs, solicitors, Birmingham, and the defendant by Mr. Motteram and Mr. Grey, both of the Oxford Circuit, instructed by Mr. Brown, solicitors, Biston. The first hearing under this arbitration, in which Mr. Blackwell was the arbitrator for the plantiffs, Mr. F. Smith, both of Dudley, for the defendant, and Mr. Rupert Kettie, of Wolverhampton, on May 4, and the second hearing took place on the 30th of that month, also in Wolverhampton. The question chiefly in dispute was the interpretation of an old lease, in which the term fine siack occurred, and including which four divisions of coal were recognised in the thick coal and heathen seams—viz., large coal, inuns, slack, and fine slack, the royalty being 9d. on the first three, and 2d. on slack. For the defendant it was contended that there was no such thing as fine slack in the thick coal, and that the coal which they sold as slack, and upon which they paid a royalty of 2d., was all screened in the manner usually adopted throughout this district. For the plantiffs, however, it was maintained that insamuch as fine slack was mentioned in the lease, the coal which Mr. Whitehouse sold for slack was insufficiently screened, and that the ontained a portion of the size of coal for which a royalty of 9d. ought to have been paid. It will be remembered that at the close of the first sitting the arbitrators and the umpire saw leaded in the canal ready to be taken away contained onme proprietor, depos

eription was at the time the deed was drawn selling at 2s. 6d. a ton. Witnesses, it hould be added, had shown that, excepting in the brooch, fine slack was comparatively rorthless about Tividiae, and that it was often tipped down the bank. After Mr. Jos. avis had generally agreed with M. Job Taylor, the conference, with a view to an arrange-sent, commenced. It was ultimately determined that the term fine slack should no arther apply, and that the defendants should pay a royalty of 9d. each upon coal and amps, and 4d. upon slack. The arbitrators were left to apportion the costs of the artitration, and also te decide as to the damaged land.

REPORT FROM DERBYSHIRE, YORKSHIRE, AND LANCASHIRE.

REPORT FROM DERBYSHIRE, YORKSHIRE, AND LANCASHIRE.

June 23.—The Iron Trade continues to manifest symptoms of a further improvement, and all houses are well supplied with orders. The advices from the Continent are also of a generally favourable character; and these, coupled with demands for home requirements, clearly indicate a good trade, not only at the present time, but for the whole of the summer season. There is the greatest activity prevalent in the houses engaged in the manufacture of machinery for exportation, and no perceptible abatement is yet observed in the armour-plate trade, the houses engaged in its manufacture being very fully employed. We have also a very good enquiry for rails, and, indeed, for all iron associated with railways. This department of the iron manufacture is extensively carried on at Sheffield; and that town has acquired a reputation for the manufacture of railway-springs which has given to it a pre-eminence, the effect of which has been to draw almost the whole of the railway-spring trade to the place. The houses in Rotherham are well employed, considering the critical state of the building trade; and the wonder is that, amongst so many strikes and ether hindrances to the progress of trade, so much business can be done. In stove-grates and other ironwork connected with building, Rotherham enjoys a great reputation, and the works have of late largely increased.

The Coal Trade continues exceedingly good, considering the season, and the trade generally is very firm. We have to notice a very decided improvement in the cotton and woollen trades, and the result is that a greater manufacturing consumption of coals is now being experienced. The lockout in South Yorkshire is still likely to be of long continuance, and the supplies which have, consequently, to be drawn from other counties tend to keep up a continued good demand. The hard coal of Derbyshire is in great request, and as it has been much approved for locomotive steam purposes, the enquiry for it will, consequently, increase r

The local stock and share markets have been very active during the eek—there is now a better feeling manifested to invest in mining stock.

The pretty vale of the Derwent is threatened with a complete revolution, ving to the discovery of ironstone. The stone was found, by accident, about two years.

The pretty vale of the Derwent is threatened with a complete revolution, owing to the discovery of ironstone. The stone was found, by accident, about two years ago at Kirkham and at Castle Howard, about four miles from Malton, and was then partially wrought, to ascertain its quality. The royalty has now been purchased, and the works on both sides the valley are to be proaccuted vigorously. It is said a bridge over the Derwent is to be creeted, so as to reach the Malton Kaliway from the south side, and that blast-furnaces are also to be built.

The applications for Letters Patent include—Mr. Peter Spence, of Smedley New Hall, and Mr. Henry Davis Pochin, of Broughton Old Hall, for an improvement in smelting copper ore; Mr. Wm. Whiteley, of Lockwood, near Huddersfield, machine-maker, and George Harling, of the same place, foreman, for improvements in self-acting mules, horses, and bilicys for spinning woollen and other rbrous substances; Mcsesra. John Creas well Brentnall and Robert Eedge, of Halliwell, for improvement in machinery for preparing, spinning, and doubling cotton and other fibrous substances; Mr. John Johson, of Derby, ironfounder, for improvements in stoves and stove grates.

REPORT FROM MONMOUTH AND SOUTH WALES.

JUNE 23.—Since my last report a better feeling has prevailed in the Iror Trade, owing chiefly, perhaps, to the reduction in the Bank rate of discount. If, at the expiration of the 60 days, the old tariff be resumed in the count. If, at the expiration of the 60 days, the old tariff be resumed in the Federal States, there is no doubt that a large amount of activity will be witnessed in the Iron Trade during the coming months—that is provided the peace of Europe is preserved, which seems rather a doubtful matter at present. The Coal Trade, both house and steam, evinces its usual vitality, steam being in good request, and the house coal proprietors are well supplied with orders. Coke commands rather an indifferent sale just now. The Tin-plate Trade has not improved, and, as stated in previous reports, many of the makers are working out their orders. While the trade is in

The Tin-plate Trade has not improved, and, as stated in previous reports, many of the makers are working out their orders. While the trade is in this state new works and extensions are being carried out with spirit, and many are astonished such enterprise should be shown when tin-plates are, to a great extent, a drug in the market. But they forget that works can be built at a less cost now than when the trade is brisk; and capitalists, without doubt, foresee that when once peace is established in America the tin-plate trade will have years of prosperity before it.

A new coal-washing machine has been successfully applied at the Brymbo Collieries, near Wrexham; it is the invention of Mr. Isaac Francis, of Coed Porth. The apparatus is a simple drain, inclined, and fitted with a sluice valve at the lower end. The stream of water may be supplied in any convenient manner. The coal to be purified is thrown into the top of the drain, and by the action of the water forced or floated over the upper edge of the sluice valve, the valve retaining the pyrites or other heavy impurities, which are from time to time removed. The apparatus is, of course, capable of some slight modification in detail.

edge of the sluice valve, the valve retaining the pyrites or other heavy impurities, which are from time to time removed. The apparatus is, of course, capable of some slight modification in detail.

The railway bills connected with the district have been, so far, unusually successful. The Pembroke and Tenby extension to Whitland has passed the Commons; also the Carmarthenshire and the Swansea Vale and Neath and Brecon junction. The Whitland extension of the Pembroke and Tenby will give railway facilities to the Begelly iron and coal fields, and the Carmarthenshire will open up an important coal and Ironatone district. The Swansea Vale and Neath and Brecon junction is another step towards securing a more direct route from Swansea, Lianelly, Neath, and the surrounding localities, to Birkenhead, Liverpool, Manchester, &c., and the now line will be of great advantage to the tin-plate proprietors and the fron and coalmaster. All these lines are on the narrow guage, and it is quite clear that before many years are over the Great Western even will have to lay down the narrow guage, or else their South Wales line will become quite isolated for mineral traffic.

It appears that throughout the action between the Alabama and the Kearsage, the Deerhound kept about a mile to windward of the combatants, and was enabled to witness the whole of it. The Kearsage was burning Newcastie coals and the Alabama Welsh coals, the difference in the smoke (the North Country yielding so much more) enabling the movements of each ship to be distinctly traced.

The Pembrokeshire Telegraph states that the parties in treaty for the purchase of Measrs. Powell's steam-coal collieries, are Mr. R. Potter, Chairman of the Great Western Railway Company, Mr. Brassey, Mr. Rolt, M.P., and Mr. Elliot, of the firm of Glass and Elliot, and it is the intention of the new proprietors to ship as much as possible of the coal at Milford Haven. This, if correct, is rather ominous news for Cardiff, where nearly all the produce of the coilieries is now shipped.

with hard labour, and the magistrates expressed a hope that the punishment would be a warning to others. Thomas Lloyd and David Jones were charged with threatening and assaulting Evan George, banksman. The defendants met complainant, and struck him several times because he went to work for the Neath Abbey Coal Company. The magistrates, following the course adopted in the last case, committed the defendants frow months with hard labour.

The Merthyr magistrates have committed a baller named Lewis Price for one week with hard labour for leaving his furnace at the Penydarren Works without anyone in charge of it, thereby causing the iron to crystallise. Mr. Davies, one of the partners, said if the iron had been sent away it would have serious damaged their reputation. The whole of the forces at the Melynoryddan Tin-Plate Works are now in full in operation, and a large number of hands are employed. The opening of this, and several other works, has imparted quite a new life to the trade of the neighbourhood.

Among the latest foreign arrivals at Swanses are the Thomas, from Cherbourg, with 171 tons of iron ore, for the Governor and Company of Copper Miners in England; cladera, from Caldera, with 685 tons of copper ore, for Messrs. H. Bath and Sons; Shanna, from Cherbourg, with 485 tons of copper ore, for Messrs. H. Bath and Sons; Shanna, from Cherbourg, with 685 tons of copper ore, for Messrs. Vivian and Sons; Shains Castle, from Cuba, with 695 tons of pin ore, for Messrs. Vivian and Sons; Shains Castle, from Cuba, with 695 tons of pin ore, for Messrs. Vivian and Sons; Shains Castle, from Cuba, with 695 tons of opper ore on 47 tons of opper regulus, for the Cobre Mining Company; Leander, from Antwerp, with 120 tons of pig-iron, for Mr. W. H. Forster; Roscius, from Santander, with 320 tons of iron ore, for Mr. Richard Cowell, of Cardiff.

Important Proceedings Against A Colliery Propresero.—On

Roscius, from Santander, with 320 tons of iron ore, for Mr. Richard Cowell, of Cardiff.

IMPORTANT PROCEEDINGS AGAINST A COLLIERY PROPRIETOR.—On

Saturday, at the Newport County Police Court, before the Rev. T. Pope,
and Capt. Phillips, R.N., Mr. Thomas William Rhodes, proprietor of the
Risea Collieries, was summoned for that he "did in the year 1861, at the parish of Risea,
in the county of Monmouth, then and there unlawfully, after receiving the copy of an
award made by the arbitrator, George Clementson Greenwell, and attested by the Inspector of Coal Minss of the district in which the said collieries are situate, neglect to
take proper and active measures for remedying a danger and defect in the ventilation of
the said collieries according to the said award, and still continues to neglect to comply
with the said award. The proceedings were taken by direction of the Home Office, and
Mr. Bradgate, instructed by Mr. Lionel Brough, the Government Inspector of Mines for
the district, appeared in support of the Information. Neither Mr. Rhodes nor his solicitor, Mr. Fox, statended, but a letter was read from the latter, asking for a further adjournment. Mr. Bradgate objected to this, as he had secured the attendance that day of

Mr. G. C. Greenwell, the arbitrator, at a considerable expense. After some further discussion, the magistrates, to suit Mr. Greenwell's convenience, decided on adjourning the case to Saturday, July 16, the question as to the costs of the day to be then decided.

TRADE OF THE SOUTH WALES PORTS.—The returns of the trade of the South Wales ports during the month of May show that, with the exception of Cardiff, a large increase took place in the shipments. The closing of the West Buto Dock at Cardiff for repairs fully accounts for the slight falling off as compared with the corresponding month. The following are the returns of the coul exported foreign during May, the previous month and the corresponding month:—

	May, 1864.	Apri	, 1864.	May, 1863.
CardiffTon	a 106,956	130	847	98,391
Newport	. 16,433	21	709	12,112
Swansea	. 44.381	47	.626	36,015
Lianelly	. 15,255	13	927	13,120
The shipment coastwise were as fo	llows :-	May	1864.	April, 1864.
Cardiff	**********	Tona 73	.633	76,309
Newport		57	548	47,774
Swansea		26	427	24,251
Lianelly	***********	25	810	26,894
The returns for Neath and Briton	Ferry appears	ed in last v	veck's Mini	ng Journal.

TREATMENT OF SILVER ORES.

It has long been acknowledged that the Mansfeld Copper Company of Germany have been foremost in their efforts to secure the most efficient processes for the treatment of the ore raised, and highly interesting sketches of the works have from time to time been published in the Mining Journal, not the least attractive being that which announced the introduction of not the least attractive being that which announced the introduction of Augustin's process of extracting silver, which, however, has now been superseded by the more advanced process of Ziervogel, a brief account of which will not be without utility. The calcination of the ground copper regulus, which is composed principally of sulphides of iron, zinc, copper, and silver, the quantity of the latter, to extract which is the sole object of the process, being extremely small, is perhaps the most difficult part of the work to be accomplished. A double bedded reverberatory furuace is the apparatus used, the conversion of the sulphides into sulphates by oxidation and the subsequent decomposition of the latter by increasing the temperature being the object in view. The sulphate of iron is first decomposed, then the sulphate of zine, and lastly the sulphate of copper, the posed, then the sulphate of zine, and lastly the sulphate of copper, the sulphate of silver remaining unaltered throughout the operation. In the first place, the ore is charged into the upper bed, which has no fireplace, but is heated by the furnace below. The charge is composed of 500 lbs. of ground copper regulus, 50 lbs. of the richer residues of the desilverising or ground copper regulus, 50 lbs. of the richer residues of the desilverising wats (those containing more than 17 grs. per cwt.), 37 lbs. of lixiviated regulus, from former calcinations, 4 lbs. of silver scrapings that have been lixiviated and roasted three times, and 4 lbs. of the lixiviated bed of the furnace. Half the richer residues are first spread evenly over the upper bed, since, being almost pure CuO, they do not readily adhere; upon this half the ground regulus is charged, then the re-calcined regulus and silver scrapings, then the remaining half of the richer residues, and, lastly, the other half of the ground regulus. The charged is required for from other half of the ground regulus. The charged is regularly stirred for from four to five hours, to prevent the agglomeration of the sulphides, and to expose every portion of the air. After this, 20 lbs. of coarse lignite slack expose every portion of the air. After this, 20 los. of coarse lightle sinck is spread evenly over the charge, the whole being then well mixed by stirring. The lignite is soon completely ignited, and after its flames are extinguished the charge is passed through the communication in the floor on to the under bed, during which operation the dampers of the flues are completely closed. On this lower bed the charge continues to be stirred, or "cooled," for from one and a half to two hours, without any addition of fuel, to effect the complete oxidation of the ground regulus. After an hours string the every it turned over the interest and the order to the order. completely closed. On this lower bed the charge continues to be stirred, or "cooled," for from one and a-half to two hours, without any addition of fuel, to effect the complete oxidation of the ground regulus. After an hour's stirring the charge is turned over, and it is turned again at the end of another hour, when it is a dark red heat. A test sample now taken shows scarcely any traces of iron, but a considerable proportion of copper and silver, while one taken immediately after the charge was brought on the lower bed showed (when dissolved in water with common salt) a greenish colour, without any precipitate of silver. The turning over is effected by heaping up in the middle of the furnace the charge of one-half of the hearth, on which the charge on the other half is then spread out, the heap being afterwards spread over the second half. The sulphates are now partially decomposed by the heat of the furnace being slowly raised to a high temperature, while the charge is kept well stirred. On the completion of the roasting the test sample shows a bright blue colour, and gives a considerable precipitate of chloride of silver. The completely roasted charge is now riddled, from 50 lbs. to 60 lbs. of which remains behind as slag ore. Three men are employed at the lower bed, and two at the upper. The sulphur fumes being very injurious the difficulty of working is increased. The next object is the formation of the silver precipitate. The lixiviating apparatus consists of a reservoir for receiving the solution, a vessel for heating the water, lixiviating vats, clearing tanks, precipitating vats, and an additional reservoir, with the necessary pumping apparatus, these several vessels being suitably arranged, that the solutions may readily pass from one to the other. The reservoir for receiving the solution is of wood, sheetcopper, or lead, and is separated into two compartments, each having an opening that can be closed up, so that the operation may not be interrupted

one to the other. The reservoir for receiving the solutions may readily pass from one to the other. The reservoir for receiving the solution is of wood, sheet-copper, or lead, and is separated into two compartments, each having an opening that can be closed up, so that the operation may not be interrupted if a portion of the reservoir require cleaning or repairing. It has a capacity of about 450 cubic feet, and leaden pipes extend from the bottom of it, for the purpose of conveying fresh solution into the lixiviating vats, communicating with each of the latter by a vertical pipe with a tap. The vessel for heating the water has a capacity of from 200 to 250 cubic feet, and is heated by a worm, supplied with steam from the boiler, which has two pipes—one near the bottom, leading to the lixiviating vats, and the other to the reservoir for receiving the solution. The lixiviating vats are nearly circular in form, 26½ in. high, 25½ in. diameter at the bottom, and 27½ in. diameter at the top (including 1½ in. the thickness of the sides). Each vat has a double bottom—the upper one being perforated, and serving as a filter. This perforated filter, which is 19 in. down, is made up of two parts—the under part a perforated whoden disc, 23 in. diameter, exactly fitting into the vat, with ½-in. holes bored 1 in. apart, through both the planks and the cross-pieces that hold them together, and tightly packed with tow; and the upper part of basket-work, with a linen disc covering, 25 in. diameter. There is 2 in. of space from the bottom of this filter to the bottom of the vat, in which space there is a tap at the side. Ten such vats, ranged in a row on the top terrace, are in constant work. The taps discharge themselves into a wooden funnel, which conveys the solution into the settling-tanks. The settling apparatus consists of a rectangular tank, partitioned lengthways into two compartments. held together by an irot discharge themselves into a wooden funnel, which conveys the solution into the settling-tanks. The settling apparatus consists of a rectangular tank, partitioned lengthways into two compartments, held together by an iron framework, which can be tightened from time to time by wedges. An opening along the partition lengthways allows the clear solution to pass, after settling from the back into the front compartment, from which it passes through a tap into the silver-precipitating vats on the second and third terraces. The precipitating vats are arranged similarly to the lixiviating vats, but are smaller: the height is 23 inches, and the greatest diameter is 23 in.; space between the two bottoms, 1½ in. From the top of the vats on the third stage the solution passes directly into those of the fourth, from which it is raised by machinery, to be again passed through the lixiviating vats. In the vats of the third terrace there is scarcely any silver, and beautiful crystals of gypsum are found to form on the pieces of copper and on the sides of the vats. The pumping-reservoir is formed of a wooden tank, placed in a brick cistern; the space between the tank and the cistern being compactly packed up with clay, brick-dust, burnt lime, a wooden tank, placed in a orick eistern; the space between the tank and the cistern being compactly packed up with clay, brick-dust, burnt line, or gypsum, so as to prevent the escape of the solution. The solution is lifted by a force-pump into the receiving reservoir. If it is too cupriferous, it is passed over fragments of iron, and the copper precipitated, after which it flows off. The ground regulus contains from 72 to 75 per cent. of copper, and from 7 to 8 czs. of silver in the cwt.; and the silver precipitate (cement silver) has a "fineness" of about 270 grm. The copper in the vats of the third terrace is cleared from the silver precipitate daily, and

vats of the third terrace is cleared from the silver precipitate daily, and that in the fourth terrace about once a week.

In carrying out the process of lixiviation the 500 lbs. of ground regulus, well roasted, is introduced, if practicable, whilst still hot into the empty lixiviating vat, and spread carefully over the linen filter, and over this regulus a perforated cover is laid, so that the fluid thrown upon it may be equally distributed. The tap of the vat is now opened, and water heated from 150° to 180° Fahr. is thrown over the covered regulus. After from a quarter to half an hour this hot water is replaced by a desilverised solution of sulphate of copper, heated to a like temperature. As this solution does not contain free sulphuric acid to lixiviate the charge perfectly, ½ lb. of sulphuric acid is added, which changes the difficultly soluble basic sulphate of silver into the neutral sulphate. When, as is usual, 18 charges are lixiviated during 12 hours, the 9 lbs. of sulphuric acid required for this number of charges, being first diluted with two quarts of water, is placed in a vessel over the lixiviating vat, and allowed to pass through a trap, drop by drop, into the vat. This last solution, after being heated to the necessary temperature, is conveyed through the lixiviating vats so long as it shows silver on passing, after which it is allowed to escape. The upper-

most layer of the charge, I in. thick, being the least desilverised, is seraped off and roasted again. The lixiviating vat is emptied by a copper showd, and the residues conveyed to the drying-house. If sufficiently roasted they should not contain more than \(\frac{1}{2} \) o. of silver to I cwt. of copper; if they should not contain more they must be roasted over again. After the solution has passed through the lixiviating vat, and has desilverised the sulphate of silver, it passes into the settling vessels. Here the particles of copper carried with it are deposited, upon which the solution passes through the opening into the front compartment, from which it flows into the precipitating vat over bars of copper. During the process the solution from all the lixiviating vats becomes mixed, so that in each precipitating vat as almost equal quantity of silver is precipitated. The ground regulus cossists principally of oxide of copper, sulphate of silver, and seaquioxide of iron. The sulphate of silver is dissolved, and the copper and iron remain behind. There is also a small quantity of sulphate of copper present, which likewise dissolves. In the precipitated, becomes dissolved.

The process concludes with the drying and refining of the silver, the apparatus for which comprises collecting, stamping, or grinding vats, and washing vessels drying kilns, and a gas-generating reverberatory furace. The collecting vat is similar to the lixiviating vats; the grinding vat is a wooden mortar with a wooden pestle. The washing vessels are of the same size and form as the precipitating vats, only they have no tap between the two bottoms, but instead a wooden pipe, having a tap at the top, goes up the washing vessel from between the two bottoms, so that the vessel is always full. The drying pans are of strong sheet copper, 19 in. long 12\(\frac{1}{2} \) in. wide, and 6 in. deep, and stand in an iron stove. The silver precipitate, which is impure from the mixture of gypsum and copper, with a produce of 190 to 200 grm. is washed

UTILISATION OF BLAST-FURNACE GASES.—An improved apparatus and arrangements, whereby the waste gases from blast and other furnaces are purified and rendered fit for use more effectually than by any of the existing methods, has been invented by Mr. John Vaughan, of Middlesboro'. ing methods, has been invented by Mr. John Vaughan, of Middlesborg'.
on-Tees. A large metal tank is provided, consisting of two compartments, into one of which the inlet-pipe for the admission of the impure gases from the furance opens, the outlet-pipe for the exit of the gases after they have been purified being situated at the top of the other compartment. The tank contains a considerable body of water (which is allowed to enter both compartments), and a screw consisting of two metal tubes, bent in a spiral form around an iron bar, is placed obliquely across the tank, the upper end thereof being placed near the lulet-pipe. The screw is caused to revolve by means of a small steam-engine, or by any convenient motive-power. In the upper portion of the compartment into which the outlet-pipe enters is placed a quantity of hay or straw, or other divided or fibrous material, the same being kept constantly damp by the water which enters from the adjoining compartment. Above the hay or straw or other analogous material quicklime or sulphuric acid is so placed that the gases may pass over the same. The gases having entered the tank by the inlet-pipe are into the next compartment, when as they except into a cool state from the screw they rise through the water, and passing through the hay or straw or other analogous material are freed from all the impurities with which they may be intermixed, and which are deposited in the hay or straw or other analogous material may ded dipensed with, and the gases simply passed over the quicklime or sulphuric acid.

New Caloric Engine.—An improved hot-air engine, invented by Mr.

New Caloric Engine.—An improved hot-air engine, invented by Mr. Roper, has been successfully applied in the United States; its chief peculiarity is that it does not use upon the piston common air heated, but only the products of combustion. The air to supply oxygen for the combustion of anthracite coal is pumped in, the carbon is burned rapidly and completely under pressure, and the resulting carbonic acid gas and uncombined nitrogen gas from the air are passed from the generator of fire-box to the piston. The piston is in the form of a hollow plunger, so arranged that it is fitted and packed only at the top, where there is the least heat. In this way the common difficulty of lubricating a not cylinder and piston is obviated. The fire-box is surrounded with fire-brick and scap-stone, which prevents the burning of the from which forms the body of the cylinder, and also prevents a great radiation of heat into the room or building. The engine is single acting—that is, the power is applied to the piston as it moves in but one direction, during which movement the air is pumped in, and the momentum acquired at the same time by a balance-wheel carries the piston back to its original position. The relative action of the air-pump is such that the machine, while in motion, is kept constantly packed or filled with compressed air. The diameter of the pump is 12 in, that of the piston is in, and the difference in the area of the pump and piston, multiplied by the usual pressure, 3 lbs. per square inch, shows that the engine exerts a two-hors power, yet with good feel and a tolerable fire can do at least three-horse power work with it. It requires about 8 lbs. of coal per hour, and about 20 minutes attention to keep it in working order 10 hours. The machine's very compact, and can be manufactured and sold at a cost of little more than 1002. It can be run at 90 revolutions per minute with advantage, and can be regulated at pleasure to the greatest nicety.

A SIMPLE SAPETY-HOOK.—A safety-hook, which the "Mining and Scientific New Caloric Engine.—An improved hot-air engine, invented by Mr. coper, has been successfully applied in the United States; its chief pecu-

THE CLEVELAND IRON TRADE.—There is no change of importance to report in connection with the iron trade of this district. There is a good demand for manufactured iron, and no change in prices. All the furnaces continue in blast, and considering the depression existing in Staffordshire, and also that prices are drooping in Glagow, the state of things, so far as Cleveland is concerned, may be considered highly satisfactory, and again indicates very distinctly its power of withstanding the effects of any such temporary depression as that under which the iron trade now labors. The works for the most part are stocked with orders, and for particular kinds of manufactured iron some of the firms are unable to book for dilvery sooner than the end of 1865. We hear that a Middleshorough firm, through a pressure of orders, has had to refuses a contract for rails, and that it has passed to a Freeth house. Whilst the makers who had furnaces in blast show no disposition whalever to put them out, those who have furnaces completed, as though they were crain of a good time coming. The first of a new series of furnaces erecting in Cleveland—these of Mr. Samuelson, at Newport—are just being charged, and will probably be in hist in a week, or at the furthest a fortinght, from this time. Those furnaces have been laid out and completed in such a manner that they cannot fail to meet the approval dail interested in the trade who have not hitherto seen them. Each furnace is capable of training out double the quantity of metal that the furnaces built by Mr. Samuelson at Soulbank, and recently sold by him, were able to produce. In a little time we shall have to notice the completion of other furnaces now in course of erection, and will meetly observe that, great as is the increase in size of Mr. Samuelson's new over his old furnace, those now building at fort Clarence and other places are still larger. There is a rumor of the amalgamation of the Ferry-hill furnaces with the Rosedale tronstone mines.—

Strike At Huxwick Colliers.—Owing to s

Darlington and Stockton Times.

STRIKE AT HUNWICK COLLIERY.—Owing to some real or supposed oppression on the part of the masters of this colliery, the workmen have "tured out," and issued a notice (addressed to their fellow-labourers in Northumberiand and Durham), in which they expressed themselves justified in resisting the oppression, and hoping that other miners will not attempt to undermine them whilst struggling for their rights and privileges. The principal complaint, they aliege, is that one part of the collery being entirely "laid in," the whole of the men had been compelled to proceed into the other part of the pit and work double—four men in one bord; which, as well-known to all experienced miners, is a great inconvenience. This, they have been perfectly willing to comply with, however, if the masters would only make have been perfectly willing to comply with, however, if the masters would only make the grievances, they abandoned the pit entirely. The men also aliege that in the proken "the Davy lamp will not burn for want of air, thus rendering it impossible for the men to keep their coals clear from stones; while the crowding entirely prevent them from earning a good livelihood. The working seam is considered a dity ose (atony), and consequently, as the men have not sufficient light to detect the rubbish, a great many tube are necessarily confiscated.—Durham Advertiser.

Artificial Caladasarily confiscated.—Durham Advertiser.

ARTIFICIAL GALENA.—M. Marigny has been enabled to produce galena artificially, in the following manner:—A mixture is made of 300 grammes of lithers, 60 grammes of pyrites, and 5 or 6 grammes of starch, and is then placed in an earlier crucible, covered over with borax, and exposed for about half-an-hour to a very clerated temperature. When the crucible is withdrawn from the fire, and allowed to cool slowly, large and brilliant facettes of galena are produced.

Figure Bourne Formans

large and brilliant facettes of galena are produced.

EATAL BOILER EXPLOSION NEAR WAKEFIELD.—On Saturday a boile explosion occurred at Messre. Pope and Baines's colliery at Sharlston, near Wakebie and the boiler, which was of 40-horse power, was riven in two, and one end was project about 140 yards to the east, and the other about 180 yards to the west. The long chird near was done to the engine. Two other boilers, set on either side of the boiler that explose were lifted from their seats. After the explosion a boy, aged eleven, the son of kicks were lifted from their seats. After the explosion a boy, aged eleven, the son of kicks boiling water scaled to death. John Noble, one of the engine tenters, was taken set additional and the seats of the engine tenters, was taken set additional seats of the engine tenters, was taken set and distance of several yards, much scalded, and with his left shoulder and right is fine.

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COAL MARKET.—On Monday, the market was fully supplied with all descriptions of coal, from the arrival of 99 fresh ships, and an active business was transacted at last Friday's currency. Best house coal, 16s. 9d. to 17s. 6d.; seconds, 15s. 3d. to 16s. 3d.; Hartley's, 15s. to 16s.; manutacturers', 13s. 6d. to 15s. 6d. per ton.—On Wednesday, 63 ships arrived, and there continued a steady business in all descriptions of coal at last prices.—On Friday, 30 ships arrived. The market for household coal was firm, and prices generally quote an advance of 3d. per ton. Hartley's and manufacturers' coals without alteration. Haswell Wallsend, 17s. 6d.; Kelloe Wallsend, 16s.; Heugh Hall Wallsend, 16s.; Eden Main, 15s. 9d.; Harton Wallsend, 15s. 6d.; Framwellgate Wallsend, 15s. 6d.; Hastings Hartley, 16s.; Tanfield Moor, 13s. 6d. per ton. Three cargoes unsold; 60 ships at sea.

Colonel W. Patten presented a petition from Mr. Clare, the younger, of Liverpool and London, who claimed to be the inventor of the mode of shipbuilding adopted in the construction of the Warrior, in which the petitioner prayed "that your honourable House will extend to your petitioner its clemency in furtherance of right, truth, and justice, whereby your petitioner may, at the bar of your honourable House, in parson, divulge the modise operand made use of by the executive of the Admiralty to chain a verdict at all hazards, under the protection of governmental power, and aided with its influence and patronage."

Meetings of the Patent Law Commissioners were held last week, and also on Monday, at which the Chairman, Lord Stanley, Lord Overstone, Sir W. Erle, Sir W. Page Wood, H. Waddington, Eaq., Sir Hugh Cains, Q.C., W. B. Grove, Eq. Q.C., W. M. Hindmarch, Eq., Q.C., W. E. Forster, Eq., M.P., W. Fairbairn, Eaq. were present.

w, M. Hindmarch, 1881. U.V. Wh. Was also present.

THE GREAT EASTERN AND GREAT NORTHERN RAILWAYS.—The Great Eastern Railway Company have published a statement in reference to the rejection of the Bill for their Northern Junction line, which would have brought them into connection with the Northern coal districts by a route that, they contend, owing to the unparalleled case of its gradients, would have enabled coal and agricultural and other kinds of produce to have been brought to the eastern side of London on very economical terms. On the part of the landowners and others there was apparently a general concurrence in Lavour of the bill, and the district proposed to be traversed forms, it is argued, a legitimate junction to that of the Great Eastern. The Great Northern Company, however, have defeated the plan, the judgement of the Committee being, it is said, mainly influenced by the consideration that the new line would carry goods too cheaply, it being the interest of the Great Northern Company not to allow even a traffic that could but indirectly affect them to be carried on upon terms which might not comport with those they desire to maintain for their own more expensive line. In presenting their narrative of the case, the Great Eastern directors submit that it "constitutes one of the most singular chapters to be found in the history of railway legislation."

LIABILITY OF ALLOTTEES.—In re the New Theatre Company, 100 shares were applied for verbally, and the deposit required on application paid, upon the promise of the secretary that if the applicant did not get the shares it should be returned to him. The shares were afterwards allotted to him, and his name was entered in abox described as the register of allotment, but no notification of the allotment was made to him. On the company being wound-up it was held by the Master of the Rolls that notice of the allotment was unnecessary, and that the allottee was a contributory. If the company had been successful, they could not have disputed his rights as a shareholder, and his rights and liabilities must be co-extensive.

holder, and his rights and liabilities must be co-extensive.

Void Patents.—In the case of Foxwell v. Bostock, the Lord Chancellor decided against the validity of the patent by reason of the insufficiency of the specification. His Lordship held that in the case of a patent for an improved arrangement or new combination of machinery, the specification must describe the improvement and define the novelty otherwise and in a more specific form than by the general description of the entire machine, it being part of the condition of a patent that the specification shall "particularly describe and ascertain the invention."

TRADE MARKS.—In the appeal case of Bury v. Bedford, before the Lords Justices, it was decided that upon the formation of a partnership with a person entitled to a trade mark, such a mark will, in the absence of expressed provisions in relation to it, become an asset of the partnership, for the whole trade is carried into the partnership, and the trade mark is but one element in it. Such a trade mark is, therefore, capable of being assigned by the partnership, and the Court of Chancery will, after an assignment to a purchaser, restrain the firm. or any partner in it, from himself using the mark, and from assigning it to any other person. Trade marks granted by the Culters' Company of Sheffield to persons not free of the company are, under the various Acts of Parliament regulating the company, to be regarded as property capable of assignment by the grantee, and the principles enunciated above apply, therefore, to them also.

EXHALL COAL MINING COMPANY (Limited).—The Master of the Rolls has appointed Mr. William Westcott official liquidator of this company. Creditors are requested to send in the particulars of their claim by July 10.

ANGLO-CALIFORNIAN GOLD MINING COMPANY.—Vice-Chancellor Kindersley will, on Wednesday, make a call of 3s. per share on the contributories.

GREAT NORTHERN AND MIDLAND COAL COMPANY.—Mr. Commissioner Goulburn will, at the Court of Bankruptcy, on July 13, make a call equalising 51, per share on all the contributories.

Condensing Metallic Fumes.—Mr. R. Martyn, of Liverpool, applied for and was refused provisional protection for an improved means of condousing and purifying gases and fumes arising during the treatment of metals and metallic substances. This is effected by passing them over hydrated oxide of iron or other oxide, whether natural or artificial.

TEMPERING STEEL.—Some improvements in the vessels, or baths, for containing heated metals and fluxes for hardening and tempering steel have been in-vented by Mr. W. T. Bury, of Sheffield. He proposes to prevent the lead or flux cozing through, by the use of a litting of wrought-iron or other compact metal.

INDURATION OF STOKE.—As an improvement upon the present mod of indurating stone, cement, &c., and manufacturing artificial stone, Mr. F. de Wyld of Tower-hill, proposes to employ a solution of a soluble alkall, in combination with neutral solution of alumina.

IMPROVED CRADLE.—Mr. Ross, of Graves-street, Campbell's Creck, has just made a decided improvement in the large common puddier's cradle, which, it is expected, will effect a great saving of fine gold, and it is particularly adapted for washing surfacing and tailings. After the stuff has been cradled through the hopper into the sildes where the coarse gold and nuggets are deposited, it passes through a fine perforated plate, or second hopper, over an inclined fixed surface, covered with baize, which has two rippies for catching the fine particles of the precious metal. It can be used either with or without quicksliver.—Custlemaine News.

EAST CHIVERTON.—Capt. J. Nancarrow, in his report of Wednesday (which reached us too late for insertion in its proper place) ays:—"Our sumpmen are getting on favourably with fixing our plunger-lift, and I should say if things go on well we shall be in readiness for sinking in a week or nine days. The end east, on the south lode, in the 35 fm. level, is looking promising at this time, and I may say we have everything but lead in this end, and if this lode continues in the channel of ground we have now we may expect an improvement. The north cross-cut bas very much improved for driving since last week: I should say, from the appearance of the ground to-day, the men will be able to drive 3 fathoms while they have been driving 2 fathoms when while they have been driving 2 fathoms were mostles past. Whether we are getting near any lode or not I cannot say, but I should sayise by all means to push on this cross-cut with all speed, as there must be two or three lodes not a great distance before this end; and I think a level this depth is a better trial for lodes than one shallow for proving any lode."

1. MINE ACCIDENTS.—On Tuesday, in Grambler and St. Aubyn Mine, J. Bice was seriously injured by the premature explosion of a hole whilst tamping.—On Thursday, at East Caradon Mine, John Masters was injured, not seriously, through a similar accident.

The directors of the Rossa Grande Gold Mining Company (Limited)

The directors of the Rossa Grande Gold Mining Company (Limited) have appointed Capt. Brokenshar, late chief superintendent at the celebrated mines of Gongo Soco (the property of the Imperial Brazilian Mining Association) as their chief mining engineer, and he, together with a staff of workmen, will proceed to Brazil by the July mail, to take possession of the company's mines.

the July mail, to take possession of the company's mines.

COPPER MINING AT LAKE SUPERIOR.—The progress of the copper interest within a few years has been astounding. We doubt whether California can exhibit a better record of prosperity than Lake Superior. For example, in two years and nine months the stock of the Quincy had advanced from \$20\forall to \$60\forall to \$60\forall

To Directors, Solicitors, Secretaries, &c.

IMPORTANT TO ALL CONNECTED WITH PUBLIC COMPANIES.—Now ready, price 2s. 6d., A HANDY BOOK OF WHAT TO DO AND HOW TO DO IT, IN ORDER TO FORM ANY MERCANTILE, MINING, AND OTHER JOINT-STOCK, ORDER TO FORM ANY MERCANTILE, MINING, AND OTHER JOINT-STOCK, COMPANIES. Designed as a Practical Guide for Projectors, Promoters, Directors, Shareholders, Creditors, Solicitors, Secretaries, and other officers By Thomas Tapping, Esq., of the Middle Temple, Barrister-at-Law. London: Published at the *Mining Journal* office, 26, Fleet-street, E.C., and to be had of all booksellers and newsmen.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.

STEPHEN BARKER begs to inform the Trade that he has the following articles

STEPHEN BARKER begs to inform the first state of CCBALT. [WIRE, &c. REFINED METALLIC NICKEL. | OXIDE OF CCBALT. [WIRE, &c. REFINED METALLIC BISMUTH. | GERMAN SILVER—IN INGOTS, SHEET NICKEL AND COBALT ORES PURCHASED.

GOLDENHILL, COBALT, NICKEL, COLOUR, BORAX, AND
CHEMICAL WORKS,
NEAR STOKE-UPON-TRENT, STAFFORDSHIRE.
JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.
Reference.—Professor Miller, King's College, London.

CEORGE HARRISON, Esq., is NOT NOW, and NEVER HAS
BEEN, INTERESTED, as a PARTNER or OTHERWISE, in the PONTNEWYNYDD IRONWORKS COMPANY (LIMITED).
For the Board of Directors of the
Pontnewynydd Ironworks Company (Limited),
June 22, 1864.
JOHN MYRTLE, Sec.

COMMISSION.—WANTED, to MEET with a GENTLEMAN CALLING on COLLIERIES in SOUTH WALES, DERBYSHIRE, &c. One with influence would be liberally treated with.—Address, "A. G.," MINING JOHNAL Office, 26, Fiet-street, London, E.C.

TO CAPITALISTS.—WANTED, a PARTNER, with about £4000, in a FIRST-CLASS COLLIERY in NORTH WALES. A colliery proprietor or mining engineer preferred, but not essential.—Address, "W. 15," Post-office, Liverpool.

TO IRON MANUFACTURERS.—A PARTY in GLASGOW, who has an extensive connection, and who could influence a large trade with Clyde shipbuilders, DESIRES a FIRST-CLASS AGENCY for ANGLE and T-IRON SHIP and BOILER PLATES, and SHEET IRON, or for any of these singly,—Address M. A. C.," care of Messrs. Anderson and Watt, 64, Buchanan-street, Glasgow.

TO SLATE QUARRY PROPRIETORS.—WANTED, by an energetic young man, of great experience, a SITUATION as QUARRY MANAGELI. He is well acquainted with the Welsh quarries, can survey, level, and map, do all kinds of measurement, together with quarry business generally. Can produce satisfactory testimonials, and give satisfactory reasons for leaving his present management. No objection to go out of Wales.—Address, "A. B.," Mr. David Jones, Penrallt House, Dinas Mawdwy.

TO INVENTORS AND PATENTEES.—A GENTLEMAN having an extensive connection with manufacturers, merchants, and others would be GLAD to UNDERTAKE the SALE of INVENTIONS or PATENTED ARTICLES, on commission.—Apply to Mr. Rawle, patent office, 14, Claro-street, Bristol. N.B.—Continental and foreign agencies solicited.

AN ENGINEER, whose experience extends from the work-bench to the highest position in the shop, DESIRES IMMEDIATE EMPLOYMENT in any capacity which will enable him to earn a livelihood. Is a good workman, and thoroughly understands his business. The advertiser has written and lectured on steam and the steam-engine.—Address, "K. T.," MINING JOURNAL office, 26, Ficet-street, London, E.O.

A GENTLEMAN, who for the last $6\frac{1}{2}$ years has been in the DRAWING OFFICE of one of the largest IRON (MANUFACTURING) WORKS in the NORTH OF ENGLAND, is OPEN to an ENGAGEMENT. Good estimonials.—Address, "H. H. W.," MINING JOURNAL office, 26, Fleet-street, E.C.

WANTED, for a LARGE COLLIERY in NORTH WALES, a PRACTICAL COLLIER as UNDERGROUND MANAGER, who the roughly understands ventilation, and who has had experience in flery mines, is accustomed to steep measures, and to work coal by long work. He will have to keep the colliery plans.—Apply, stating salary required, to "Coal," Messrs. Pottle and Son, Reya Exchange, London.

MINERAL PROPERTIES (COPPER), SOUTH AUSTRALIA.—The ADVERTISER, who is about returning to the colony, would be HAPPY to MEET with SOME GENTLEMEN WILLING to PURCHASE, or ADVANCE CAPITAL for the WORKING of, some very VALUABLE NEW DISCOVERIES in this highly productive mineral country.—Address, "A. B.," 55, Albertsteet, Regent's Park, N.W.

MR. BAXTER LANGLEY is empowered to TREAT for the SALE of a very VALUABLE MINERAL PROPERTY, immediately adjacent to a large and rapidly increasing population. Mr. Langley, having personally inspected this very rich mineral deposit, can, after minute enquiry and survey, very strongly recommend this opportunity to capitalists and men of active commercial habits, as the value of the land alone will, from the rapid increase of the neighbouring population, greatly exceed the price now asked long before the mineral is exhausted.

50, Lincoln's Inn-fields.

MINING MATERIALS.—FOR SALE, the SPARE MATERIALS at GOONBARROW MINE, near ST. AUSTELL, viz.:—A NEW 21 in. cylinder STEAM WHIM complete, with 10 ton BOILER; pumps of 12, 10, 9, 8, and 6 in., with plunger and drawing bottoms; 12 in. and smaller wood rods, with hammered and other strapping plates, rod and flange pins, rail iron, pulleys, 2 in. and other flat-rods, horse-whims, and various other useful mining machinery and timber. To be seen on the mine, and to treat for the same apply to Mr. WM. BROWNE, St. Austeil. Dated June 21, 1864.

SLATE QUARRY, splendid and approved, TO BE SOLD. For further knowledge, enquire by letter or personally, of D. R. GRIFFITH, Penralitinco, Trefriw, near Conway.

TO BE SOLD, BY PRIVATE CONTRACT, the LEASE of ONE of the BEST IRON MINES in the county of CORNWALL, of which there are 19 years unexpired, together with MANY HUNDRED TONS of DARK HEMATITE ORES, of superior quality.—For further particulars, and to treat for the same, apply to Mr. John Burgess, Burnecose, Redruth, Cornwall.

FOR SALE, the RIGHT to the PATENT of a VALUABLE IMPROVEMENT in VALVES and BUCKETS for PUMPS, and in VALVES or COCKS for OTHER USES.—For particulars, apply to Mr. W. T. RAWLE, patent and mining agent, 39, Budgo-street, Bristol.

ON SALE, a FIRST-CLASS NEW HORIZONTAL STEAM ENGINE, has 12 in. cylinder, 2 ft. stroke, with strong link motion to valve for reversing. Very suitable for a winding engine. Price, £75. Also, one same size, with governor complete. Price, £75. Other sizes proportionately low.—Apply to Isaac W. Boulton, Ashton-under-Lyne.

TO BE LET, for a term of 21 years, a VALUABLE MINERAL PROPERTY, situated at the foot of the far-famed Parys Mountain, AMLWCH, ANGLESEY.—For particulars, apply to the proprietor, Mr. Geo. R. Hughes, Liaethdy Mawr; or to Mr. James M. WILLIAMS, Assay Master to the Mona Mine Proprietors. Amiwch, Anglesey, North Wales, June 6, 1864.

FOR SALE, 194 in. FORCING PUMP, 14 in. LIFTING PUMP, HAND PUMPS, pumping crank, lifting screw, pit chain, and other collery material.—Apply to Mr. John Farler, Nalisca, near Bristol.

HORIZONTAL ENGINES FOR SALE, at very low prices:—
One 12 in. cylinder, 24 in. stroke; one 12 in. cylinder, 36 in. stroke; and two
14 in. cylinders, 24 in. stroke. All ready for delivery, and may be had with or without
fly-wheels.—Apply to Messrs. E. Paoe and Co., Laurence Pountney-place, Laurence
Pountney-hill, Cannon-street, E.C.

S TEATITE, OR SOAPSTONE, WANTED, IN LARGE QUANTITIES.—State price and where delivered, to Mr. R. E. Bibby, mineral broker, David-street, Manchester.

BEST MANGANESE SPIEGELEISEN DELIVERED at ANY PORT of the UNITED KINGDOM.—For testimonials, and all information, apply to WM. Bird and Co., 2, Lawrence Pountney-hill, London, E.C.

FLUOR-SPAR DELIVERED at MATLOCK STATION at Derbysbire.

Derbysbire.

PENNANT SLATE COMPANY (LIMITED).—Having received so many applications for shares, the Directors have FIXED the DAY of ALLOTMENT on MONDAY, the 11th of July, so that no application can be received later than July 4.

Offices, Chester-street, Shrewsbury.

POLHIGEY MOOR MINE.—BUY the SHARES in the above to ANY NUMBER, at 20s. per share. The reports may be relied on, and a few weeks will see them at £3 per share. East and west lodes will be intersected in the 20 in a very short time. Any information will readily be given by the managing committee, no doubt.

PRO BONO PUBLICO.

R. THOMAS THOMAS CARTHEW, MINING OFFICES, 174, SISE LANE, BUCKLERSBURY, LONDON, E.C. Information respecting mining generally can be obtained by applying as above. Bankers: Robarts, Lubbock, and Co., 15, Lombard-street, London.

M. BRENTON SYMONS, MINING ENGINEER AND SURVEYOR, can PROCURE MINING SETTS in ANY DISTRICT in CORNWALL or DEVON.—18, Hatton-garden, E.C.

M. BRENTON SYMONS INSPECTS and REPORTS on ANY MINERAL PROPERTY. In all cases where procurable a plan will accompany his report.—18, Hatton-garden, E.C.

MR. BRENTON SYMONS WILL RETURN TO LONDON on the 27th, and may be consulted as usual, at 19, Hatton Garden, E.C.

THE MINERS' MANUAL OF ARITHMETIC

THE MINERS' MANUAL OF ARITHMETIC AND SURVEYING.
By WILLIAM RICKARD,
Teacher of Practical Mining in the late Mining School of Cornwall, and Principal of the Engineering Academy, 36, Upper Parliament-street, Liverpool.
Truro: Heard and Son.—London: Longman and Co.; the office of the Mining Journal, 26, Fieet-street; of the author, and of all booksellers.

AFETY FUSE.—Messrs. WILLIAM BRUNTON AND CO., PENHALLICK, POOL, near CAMBORNE, CORNWALL, and BRYMBO, near WREXHAM, MANUFACTURERS OF FUSE, of every size and length, as exhibited in the Great Exhibition of 1861, and supplied to the Royal Arsenal at Woolwich, the Arctic Expedition, and every part of the globe.

For the convenience of their customers and others in the North, W. BRUNTON and Co. have recently erected a branch manufactory at Brymbo, near Wrexham, where, as at Cornwall, they are at all times PREPARED to EXECUTE UNLIMITED ORDERS for SUPPLYING FUSE upon warrant that it will prove equal to, if not better than any to be procured elsewhere.

India Office.

BY ORDER OF THE SECRETARY OF STATE FOR INDIA IN COUNCIL, notice is hereby given that the DIRECTOR-GENERAL OF STORES FOR INDIA will be READY, on or before MONDAY, the 27th instant, to RECEIVE PROPOSALS in writing, sealed up, from such persons as may be willing to supply—

ONE HUNDRED TONS of CAKE COPPER.
And that the conditions of the said contract may be had on application at the India Store Office, Cannon-row, Westminster, where the proposals are to be left any time before Two ofclock P.M. of the said 27th day of June, 1864, after which hour no tender will be received.

India Office, June 16, 1864.

Tenders for Steam Coal.

OUTH-EASTERN RAILWAY—CONTRACT FOR HARD STEAM COAL.—The Directors of the South-Eastern Railway Company are PREPARED to RECEIVE TENDERS for the SUPPLY of TEN THOUSAND TONS of HARD STEAM COAL, suitable for locomotive purposes, to be delivered in trucks on to the company's line.

rucks on to the company's line.

Tenders to be sent in on or before Wednesday, the 6th July next, endorsed "Tender or Ccal," addressed to the undersigned.

London Bridge Terminus, June 23, 1864.

SCHOOL SHIP.—THE THAMES MARINE OFFICERS'

SCHOOL SHIP.—THE THAMES MARINE OFFICERS'

TRAINING SHIP "WORCESTER," moored off Erith, is managed by a committee of London shipowners, merchants, and captains.

CHAIRMAN—HENRY GREEN, Eq., Blackwall, E.

VICE-CHAIRMAN—C. H. CHAMBERS, Eq., 4, Mincing-lane, E.C.

Treasurer—Stephen Cave, Eq., M.P., 35, Wilton-place, S.W.

Respectable boys, from the age of twelve to fifteen, intended for the sea, are received on board, and thoroughly educated for a seafaring life.

Terms of admission, 35 guineas per annum.

Forms and prospectuses can be obtained on application to 19, London-street, E.C.

W. M. BULLIVANT, Hon. Sec.

THE TAVISTOCK IRONWORKS AND STEEL ORDNANCE COMPANY (LIMTED).

The above company, having now taken possession of the well-known and long established business of Messra, Gill and Co., of Tavistock, engineers, beg to announce that they have commenced operations, and are PREPARED to ENTER INTO CONTRACTS for the MANUFACTURE and ERECTION of STEAM ENGINES, BOILERS, and MACHINEY DESCRIPTION, as well as for SUPPLYING CONTRACTORS, either at home or aborad, with RAILWAY and OTHER PLANT and MATERIAL, and MANUFACTURING promptly to order CAST and HAMMERED IRON of ANY WEIGHT or DESCRIPTION, CHAINS, SHOVELS, EDGE TOOLS, and EVERY VARIETY of IMPLEMENT for MINING, MANUFACTURING, or AGRICULTURAL PURPOSES; and having availed themselves of the services of Mr. T. Charles Gill, who continues the management of the works, are prepared to guarantee the quality of all articles supplied to be fully equal to that which has already secured for Messrs. Gill and Co. so extensive a reputation.

THE COLLIERY ACCIDENTS RELIEF SOCIETY,
FOR NORTH STAFFORDSHIRE.
THMPORARY COMMITTEE.
BURSLEM, THE CHIEF BAILIFF OF
FENTON, THE CHIEF BAILIFF OF
HANLEY, THE MAYOR OF
LONGTON, THE CHIEF BAILIFF OF
STOKE, THE CHIEF BAILIFF OF
TUNSTALL, THE MAYOR OF
CHILD, SMITH, Esq.
COPELAND, W. T., Esq., M.P. (Trustee).
HAYWOOD, RICHARD H., Esq. (Trustee).
WISE, J. AYSHFORD, Esq. (Trustee).
WYNNE, THOMAS, Esq., Inspector of Mines.
HEATHCOTE, JOHN EDENSOIR, Esq.
WRAGGE, FIEDERICK, Esq.
WRAGGE, FIEDERICK, Esq.
HONDRAMY SECRETARY (PRO tem.)—R. Horton Wynne, Esq., Brook-street,
Stoke-upon-Trent.

The Committee of the Hartley Relief Fund have, from the surplus in their hands, ap-

Stoke-upon-Trent.

The Committee of the Hartley Relief Fund have, from the surplus in their hands, appropriated and paid the sum of 556'f. Ils. to the district of North Staffordshire, to be applied to the purpose of promoting the relief of suffering arising from collery accidents; and that sum is now invested in 5 per Cent. India Stock, in the joint names of W. T. Copeland, Eaq., M.P., K. H. Haywood, Esq., and J. A. Wise, Esq., as trustees. As there is not, in this important mineral district, any permanent provision for the relief of distress occasioned by colliery necidents, except that afforded by the poor-rates, it is proposed to form a North Staffordshire Colliery Accidents' Relief Society. Mr. Child has offered to contribute £500 towards the establishment of such a permanent institution, on condition that at least £1200 be raised in the district, in addition to his donation, and to the sum arising from the surplus of the Hartley Relief Fund.

It is intended that the rules shall be made at the first meeting of the society, but the following sketch is submitted as embodying generally the views of the committee:—

The donors and subscribers to the society shall have the privilege of recommending persons eligible for relief, such privilege to be regulated in proportion to the amount of the donations or subscriptions in a somewhat similar manner to the mode adopted by the North Staffordshire Infirmary.

That colliery accidents shall be held to include accidents at ironstone pits within the district.

That recommendations shall be either positive, after the subscriber has satisfied blum.

That recommendations shall be either positive, after the subscriber has satisfied him-elf or herself as to the merits of the case, or provisional, subject to enquiry by the so-ter.

That recommendations shall be either positive, after the subscriber has satisfied himself or herself as to the merits of the case, or provisional, subject to enquiry by the society.

That recommendations shall be for a fixed weekly allowance for a fixed number of weeks; or, if considered more desirable, there may be two or more denominations of recommendations, having each a different value.

That the forms of recommendation to which each donor or subscriber is entitled shall be issued to him or her each year, and that such as are not used within the year shall lapse to the society, and the value thereof be added to its capital.

That the affairs of the society shall be under the management of a committee, to be appointed by the donors and subscribers; and that there shall be an officer of the society, paid for his services, who shall pay the allowances at places convenient to the recipients; and in the case of provisional recommendations shall make the necessary enquiries, and who shall keep proper books of the society's accounts.

That bodies of workpeople, as well as individuals, shall be eligible as donors or subscribers, in the name or names of some person or persons appointed by them, who shall be entitled, on their behalf, to the same privileges as would be accorded to an individual donor or subscriber of like ameunt.

It is bolieved that many benevolent persons, who have not time nor opportunity to personally administer relief to sufferers from colliery accidents, will be gird to avait themselves of the facilities offered by this society for applying their charity to so desirable an object.

It is also believed that colliers will unite to contribute to the society, and to aid their unfortunate fellow-workmen or their families through its instrumentality, in preference to the plan of making a collection for the purpose on the next following pay-day, and handing it over in one sum, a plan which is admitted to be be open to many and serious objections.

Many proprietors of collieries in the district afford

COLORADO MINING AGENCY, OF

GIBSON AND DELANY.

OFFICES,—DENVER AND CENTRAL CITIES, COLORADO; and 4 and 6,
PINE STREET, NEW YORK CITY.

INFORMATION GIVEN on all COLORADO MINING PROPERTY,
EXAMINED, and REPORTED UPON;
FULLY DEVELOPED MINES FOR SALE.

MINING PROPERTY BOUGHT, SOLD, or TAKEN ON COMMISSION.
Stockholders and other parties having interests in Colorado mining property can at all times obtain confidential and reliable information to latest dates, as to the value of their investments.

CAPT. C. WILLIAMS has FOR SALE FIFTY SHARES in the HAYAN MINE at 70s, per share, and SIXTY SHARES in the CWM-SYMLOG UNITED, at 40s, per share, both free of commission. Mr. WILLIAMS has also a FIRST RATE LEAD AND COPPER MINE TO DISPOSE OF, full particulars of which will be given upon application being made. Tyn-y-Wern, Talleain, Shrewbury, June 5, 1864.

CARDIGANSHIRE MINING OFFICES.

MESSRS. WILLIAMS, BRAY, AND CO. beg to inform their mining friends and the public generally that, in consequence of the numerous applications and requests they have received, they now UNDERTAKE the INSPECTING and REFORTING on MINES.

The several members of the firm having had many years' experience in mining in all its branches is the best guarantee of their ability in such matters; and they trust that, by carefully examining the mines they visit, and faithfully reporting thereon, and by constantly watching the progress of both old and new undertakings, they will be able to supply a want that has been greatly felt in the district, and give every information and advice that may be required.

OFFICES, 44, MARINE TERRACE, ABERYSTWITH.

MINING OFFICES, MANCHESTER.

MESSRS. HARVEY AND CO., MINING ENGINEERS, AAN-CHESTER, ARD SHAREDEALERS, CLARENCE CHAMBERS, MANCHESTER, are at all times in a position to deal in all the market Dividend and Progressive Mine shares, and also to advise on all mining matters, being practically acquainted with the business, and having a daily communication from the mining districts of Devon and Corawail.

Messrs, Harvey and Co. publish a monthly "Mining Circular," containing a valuable summary of mining information. Forwarded gratis on application. The Circular for May contains special reports on North Basset and North Treskerby.

BRITISH AND FOREIGN STOCK, SHARE, AND MINING OFFICES, No. 2, WINCHESTER BUILDINGS, GREAT WINCHESTER STREET, LONDON, E.C.
MESSES, FULLER AND CO. continue to BUY and SELL EVERY DESCRIPTION of SHARES in BANKS, CANALS, MINES, RAILWAYS, and GOVERNMENT STOCK, either for money or account. Stock Exchange business effected upon the usual commission.

the usual commission.

Telegraphic messages promptly attended to, and every information supplied, either personally or by letter. Office hours, from Ten to Four o'clock.

Bankers: The Metropolitan and Provincial Cornhill,

TH

East To

11, 8

CONSOLS MINE.

In 3000 shares. On the "COST-BOOK STSTEM."

SITUATE IN THE PARISH OF WENDRON, CORNWALL.

This mine is in the parish of Wendron, in the county of Cornwall, and surrounded on all sides by usines which have made very large profits, and it is in the carrier of one of the great tin districts of the county of Cornwall.

Lovell Consols Mine is to the west of Old Wheal Lovell and East Lovell, from which more than £200,000 worth of tin has been raised, to the east of Old Trevensn, the royal-ties of which alone yielded the late John Rogers, Eq., more than £20,000 in one year; and is adjoining on the south Trumpet Consols, the tin returns from which have been estimated at about half a million steriing, and is in the same stratum of ground (a decomposed granite, most favourable in this district for tin deposits), and traversed by cross-courses, elvans, and lodes, under precisely similar circumstances to the rich mines before referred to.

and about the same breadth from north to south.

A large amount of preliminary work has been already done at a considerable cost; an adit has been driven about 60 fathoms, 20 fms. being on the course of the lode, and from which upwards of £500 worth of tin was sold. This adit extended westward will open up the lodes at 20 fms. deep, at and above which depth the adjoining mines have made very large returns.

The ground is easy for sinking and driving coverage to the lode of the lode and considerable.

ery large returns.

The ground is easy for sinking and driving, consequently the monthly cost will be light, nd considerable quantities of tin are expected to be returned almost immediately from riving the acit level to open up the lode. The property has been inspected and reported by tin soliners of first-class standing, whose reports are subjoined, and leave no doubt at with vigorous and economical management equally good results will be met with a to the addoning rich mines.

The great success which has been recently met with in East Wheal Lovell, makes Lovell Consols a very valuable speculation.

The great success which has been recently met with in East Wheal Lovell, makes Lovell Consols a very valuable speculation.

The mine is divided into 3000 shares, of which number only 2000 shares are now offered, at £2 per share, and on the closing of the share list a working capital of £2000

Applications for shares must be made to Messrs. WEBB, GEACH, and PENNINGTON, 8, inch-lane, and Stock Exchange, London; Mr. DAVID COHEN, 35, Throgmorton-street, r. 'N. C. Probins (the purser), Helston, Cornwall, on or before 6th July next, after thick date no applications will be received.

which date no applications will be received.

REPORTS.

Report of Capt. Burgan, Manager of East Lovell.

Agreeably with your request, I have inspected and surveyed this mine, and herein beg to farnish you with my report and map of the sett, with the known lodes laid down according to their bearing and position. This mine is situate in the parish of Wendron, in the county of Cornwall. It is bounded on the cast by the Old Wheal Lovel, which has yielded more than 200,000l, worth of it not best quality, and on the west by the old Trevenen Mine, which yiel led tin to the value of 100,00l, and which is now being worked under the name of "Trevenen and Tremenherer," and likely soon to resume dividends from a good lode discovered in the bottom of the old mine. The lodes of these two mines ron through the sett. The stratum is granited the most favourable character for the production of tin, and as you will see by the enclosed map the lodes are positioned advantageously for development with cross-courses, and other circumstance desirable to the miner. A deep adit has been commenced, and driven some distance towards a productive lode, which has recently produced several hundreds of pounds worth of tin; it will be desirable to extend it westward, in which direction the lodes could be opened 20 fins. deep: at this depth both the Wheal Lovell and Trevenen made immense returns, as also did Trumpet Consols, on the north. In fact, this ground is so situated that a fair development of its lodes could scarcely fail to be remunerative. I have taken a great deal of care in getting a correct survey and plan of the set; and as Wheal Lovell adventurers are about to work their south lodes, it will, I consider, lead to the advantage of this mine. I pass through both these mines almost every day, and, perhaps, know well about it.

Camborne.—In conformity with your request, I have inspected this mine. It is situ-

know well about it.

Camborne.—In conformity with your request, I have inspected this mine. It is situate 2½ miles to the east of Helaton, and just between Wheal Lovell and Trevenen Mines. These mines, in days gone by, have been very rich indeed, and must have given a wonderful amount of profit to the adventurers, and I see no reason why this mine, being in close proximity to those mines, should not prove equally as good. The sett and indications promise fairly, and no doubt, if vigorously worked, it would soon take a bold stand in the market, and prove itself worthy of being placed in juxtaposition with its more venerable sisters, Wheal Lovell and Trevenen. I noticed werything on the mine in readiness to commence operations immediately. The deep adit should be continued on the course of the lode, and will unwater the mine 20 ms. deep, and put you in a position to raise tin at once. Your monthly cost would not exceed £40 before this object is accomplished; when, judging from appearances, you will be in possession of a good mine. I have no he statution whatever in recommending this property to your notice, believing it will eventually make a good paying mine.

THOMAS FAULL.

Redruth, May 13, 1864.—I have inspected the above property, and beg to hand you the following as my report:—This mine is situated in one of the best tin-bearing districts in Cornwall, and where the mining has been carried on with variable success for the last 200 years. This mining property is situated directly west of the Old Wheal Lovell, and all the lodes from that mine run through the Lovell Consols sett into the Trevenen and Tremenheere Mines, which have returned large dividends, and are now working at a profit. The Old Wheal Lovell, which, as I before stated, is directly to the east, has yielded very large returns of tin, and pald large dividends; and East Lovell, which is again to the east of Old Lovell, is now paying good dividends—and a lode in the bottom of the engine-shaft, which the agents value at £120 per fm. There can be no doubt of there being four or five cast and west todes in this sett, besides caunters, a large cross-course, and splendld civan, and if this property should be worked by proper machinery—a 30-in. cylinder rotary engine, which would pump all the water, as well as work 24 heads of stamps, good returns would be made, and good profits realised. HENIX JAMES.

PANT-Y-BUARTH AND UNITED LEAD MINING
COMPANY (LIMITED).
Incorporated under the Companies Act, 1862.
Capital £100,000, in 10,000 shares of £10 cach. 10s. per share to be paid on
application, and £1 per share on allotment.
No call to exceed 10s. per share, of which three months' notice will be given; and
it is confidently anticipated that one-half of the capital will be
amply sufficient for all purposes.
DIRECTORS.

amply sufficient for all purposes.

BIRECTORS.

EDWIN CARTER, Esq., St. Columb Bank, Cornwall.

JACOB L. ELKIN, Esq., Windsor Chambers, Great St. Helen's.

EDMUND GILBERT HAMLEY, Esq., Corner for Cornwall, Bodmin.

B. HEALEY, Esq., 11, Canterbury Vilias, Maida Vale.

Capt. JOHN MATTHEW, Brunswick Vilia, Barnet.

Lieut.-Col. NAPIER STURT, M.P., 13, Portman-square.

SECRETART—William Healey, Esq.

CONSULTING ENGINEER—John Hitchins, Esq., St. Michael's House, Cornbill, London.

LOCAL ENGINEER—T. L. COttingham, Esq., Moid.

This company has been formed for the purchase and working of the above mines, situated about three miles north-west of Mold, in Finishire; held under favourable leases at very low royalties. These mines have air-ady been worked to dead-water level, and numerous shafts are in good order. The property comprises an area of about 2436 acres, and, according to the Ordnance Survey of 1850, was proved to contain 13 lead lodes, producing lead ore realising 'the highest price in the market of any mines in North Wales, viz., £14 and £16 per ton.

The locality in which these mines are situate is well known to be one of the richest for lead in the United Kingdom; and the neighbouring mines, including Rhosesmor, &c., have for a long period paid, and are still paying, very large dividends; and in the case of the Minera Mines, in the adjoining district of Wrexham, the dividends for the last year amounted to no less than 116 per cent. per annum upon a paid-up capital of £45,000, and the sales of lead ore and blende for the quarter ending 31st March, 1864, amounted to £29,780.

The reports, which are from mining engineers of the highest respectability and standard.

240,000, and the sales of lead ore and blende for the quarter ending 31st March, 1864, amounted to £29,760. The reports, which are from mining engineers of the highest respectability and standing, justify the expectation that similar results will attend the development of Panty-Buarth lodes in the Fanty-Bearth United Mines.

Some of the iodes of these mines were worked at great profit some years since, giving immense quantities of ore; but the directors of the company then existing were universality of the company that the same price of lead being then only £6 per ton, and the royalty £1 per ton. Large quantities of ore were being raised from the several shafts, when the water put a stop to the works, and from one mine alone, the month previous to the stoppage, upwards of 500 tons of ore were sold, and large quantities were ready be brought up, which can be raised inmediately the water is removed, and which will at once realise a large profit. It is now intended to erect engines of a maximum power, ample for all future contingencies, as well as for the present effectual working of the mine; and, further, to make the best modern appliances and improved machinery, so as to economise to the utmost both steam and water power.

A conditional contract has already been entered into with a highly responsible and the contract has already been entered into with a highly responsible and the contract has already been entered into with a highly responsible and

note a steam and water power.

A conditional contract has already been entered into with a highly responsible engine r to erect the requisite steam-engines, buildings, and machinery to drain the principal mines, to place engines, &c., to three working shafts, and to provide all the requisite crushing-machines, trucks, &c.; and the engineer is so far satisfied as to the value nted to be paid one-half of such contract in shares of the

of the mines, that he has consented to be paid one-half of such contract in shared company.

The present proprietors have expended large sums of money since the mines were worked as above mentioned, and arrangement have been made with them for the purchase of the leases, piant, &c., for the sum £18,000, of which one-fifth is to be paid in each, and the remaining four-fifths in shares. There are numerous buildings on the property necessary for the works, and 26 shafts, varying from 40 to 220 yards deep, so that immediately the water is removed active and profitable operations can be commenced. The capital of the company has been fixed at £100,000; but it is pretty certain that the mines will yield large returns so soon as the water is drained, rendering it in that case unnecessary to call up more than one-half of the entire amount.

A large number of the shares have aiready been taken, and the directors will proceed to allot them so soon as the 'ther necessary applications are received. In the event of no allotment being made, the deposit will be returned without deduction or delay.

Prospectuses, plans, and forms of application may be obtained of the secretary, at the offices of the company.

the Company.

Name in full
Profession or description
Residence in full
Usual signature

TERTAN

CHIVERTON MINING DISTRICT.—Mr. R. SYMONS begs to inform the subscribers to his forthcoming. Man that the delay of the publication inform the subscribers to his forthcoming. Map that the delay of the publicatic isen from the circumstance that the boundaries of some of the mines are undeter; as-soon as these are settled the work will proceed to completion. ro, March 29, 1864.

TO COLLIERY PROPRIETORS AND OTHERS.

SALE of STEAM ENGINES, BOILERS, BAILWAYS, PIT HEAD GEAR, WRENCHES, WAGONS, CHAINS, ROPES, and OTHER EFFECTS, At LLANFYNYDD COLLIERY, Stuate near COED TALON, and midway between WREXHAM and MOLD.

WREXHAM and Mold.

MESSRS, CHURTON AND ELPHICK respectfully announce that they have been favoured with instructions from the proprietors (who are giving up the lease) to SELL, BY AUCTION, on Wednesday, the 29th day of Jane, 1864, at Elseven for Twelve o'clock most punctually, the undermentioned PLANT and MACHINERY, comprising TWO HORIZONTAL STEAM ENGINES, with TWO 30 ft. BOILERS, pump, head gear, pulleys, whinsey, about 1800 yards of iron railways, including chairs, siespers, &c.; large quantity of underground railway, chains, ropes, timber in the round, planks and scantling, valuable weighing machine, by Pooley and Son, Liverpool, to weigh 20 tons; tabout 30 pit wagons, fron plates, cast metal, wire rope, about 280 yards of conducting rods, quantity of 2½, 1½, and 1 in. rope; large quantity of smiths' tools and boring apparatus; together with a great variety of miscellaneous effects, suitable for colliery purposes.

N.B.—Catsiogues may be had a week prior to the sale, at the offices of the auctioneers, Chester and Whitchurch.

SALE of DESIRABLE FREEHOLD FARMS, and a VALUABLE SLATE VEIN, in the parishes of TRAWSFYNYDD and MAENTWROG, MERIONETHSHIRE.

M. R. W. D. E. W. W. I. L. S. E. L. B. Y. A. U. C. T. I. O. N., at the Oakeley Arms Hotel, "anybwich, on Thursday, the 7th day of July, 1864, at Twelve o'clock at noon (unless previously disposed of by private contract, of which due notice will be given), subject to conditions to be then and there produced, in three lots, all those TWO FREEHOLD FARMS, called COED CAE DU and HENDRE MUR, anyw in the occupation of Ellis Humphreys and Anne Evans, as tenants from year to year, situate in the above parishes, containing FOUR HUNDRED AND SEVENTY FIVE ACRES or thereabouts of ARABLE and PASTURE LAND, together with extensive right of common appertaining thereto on Maentwrog Mountain.

These farms are curveniently situated on each side of the main road leading from Tanybwich and Festiniog, one mile from Tanystynydd village, and thirteen from Dolgelly, and are well worth the attention of capitalists, being in the centre of a large tract of mineral country, and near the auriferous districts.

An extensive siste wen exists upon Friddgoch part of Coed Cae Du, and trials have been newly opened on part of it, the prospects of which are considered unexceptionable, being a continuation of the Braich Ddu Vein, which is now being extensively worked by a wealtby company, within a few hundred yards of the property.

A tack-note has been granted to a party from the present owner, to commence from the lat day of May last, for one year, containing the usual covenants and agreements for a lease of 21 years, at a dead rent of £10 per annum, merging into a royalty of 1-12th, and this farm, or such part of it as is included in the tack-note, will be sold subject to the same.

The contemplated line of railway from Dolgelly to the Festiniog Slate Quarries, and thence on to Fortmadoc and Porttynilaen, will have to pass very near, if not through,

the same.

The contemplated line of railway from Dolgelly to the Festiniog Slate Quarries, and thence on to Fortmadoc and Forthynilaen, will have to pass very near, if not through, one or other of these farms. The farm of Coed Gae Du is capable of great improvement, and its present value may be very greatly enhanced at a small expense.

The property affords good partridge and hare shooting. The respective tenants will show the farms.

snow the farms. Further particulars and plans may be had on application to the auctioneer, British Hotel, Bangor; or to Mr. O. Owan, solicitor, Beaumaris.

PROPOSED SALE, BY PUBLIC TENDER,
Of the LEASES OF VALUABLE MINING PROPERTY, known as the DEVON
UNION COPPER MINE, at TAVISTOCK, DEVON.

MR. G. A. CAPE (the Liquidator appointed by the shareholders of the Devon Union Mining Company, Limited) WILL SELL, BY PUBLIC TENDER, at his office, No. 3, Adeiaide-place, London Bridge, on Friday, the 15th day July, 1864, at One o'clock in the afternoon precisely, the LEASES of VALUABLE MINING PROPERTY, known as the DEVON UNION COPPER MINE, at TAVISTOCK DEVON.

TOCK, DEVON.

Comprising a LEASE or SETT of the MINERALS UNDER PART of a FARM called WRINGWORTHY, in the parish of MARY TAVY, in the county of DEVON. Held for 21 years, from the 24th December, 1860, at a yearly rent of £15, and a royalty of 1-15th of the produce of the minerals.

And also a LEASE or SETT of the MINERALS UNDER the FARM called RADGE, in the adjacent parish of TAVISTOCK, containing 94 acres or thereabouts. Held for 21 years, from the 1st of January, 1861, at a yearly rent of £5, and a royalty of 1-15th of the produces.

years, from the 1st of January, 1801, at a years years, tent of the produce.

The above property may be viewed on application to Capt. Cock, at the mine; and further particulars can be obtained of Mr. Cape, at his said office; of Messrs. Ketgalers and Bull, solicitors, 73, Basinghall-street, in the City of London, and at the following places:—The Bedford Hotel and the Queen's Hotel, Tavistock; the Roborough Inn, Horrabridge; and at the office of Mr. Edward S. Codd, 144, Union-street, Plymouth.

STEAM PUMPING ENGINES.

STEAM FUMPING ENGINES.

M ESSRS. FULLER AND HORSEY are instructed by the Directors of the Brighton Water Works to SELL, BY AUCTION, at the works, Lewes-road, Brighton, on Friday, the 22d duly, 1864, at Three o'clock precisely, in lots, THREE STEAM PUMPING ENGINES, viz. —

ONE 98 horse power HIGH PRESSURE DIRECT ACTING CORNISH ENGINE, made in 1852, by R. and W. Hawthorn, Newcastie, cylinder 37 in. diameter, stroke 7 fr., with three pumps—two open topped bucket pumps, each 16 in. diameter and 7 ft. stroke, and one a plunger 22 in. diameter and 7 ft. stroke. The three pumps are worked from a cross head beneath the cylinder. The engine and pumps are as good as new.

ONE 40 horse power HIGH PRESSURE DIRECT ACTING CORNISH ENGINE, cylinder 28½ in. diameter, stroke 8 ft., with plunger pump 11% to indirect cylinder. ONE 20 horse power HIGH PRESSURE TABLE ENGINE, diameter of cylinder 18 in., astoke 3 ft., and set of three throw pumps.

To be viewed at any time by cards only, which may be had on application to W. Blaber, Esq., Water Works, Brighton; or to Messrs. Fuller and Horsey, Billiter-street, London, E.C.

WEST RIDING OF YORKSHIRE.

WEST RIDING OF YORKSHIRE.

The very IMPORTANT FREEHOLD RESIDENTIAL ESTATE (land-tax redeemed), known as AKETON, otherwise ACTON HALL, with the MANORS or reputed manors of AKETON and FEATHERSTONE, including the VALUABLE ROYALTIES, RIGHTS, MINERALS, QUARRIES, and INCIDENTS THERETO BELONGING, situate in the parish of Featherstone, about two and a-half miles from Pontefract, equi-distant three miles from Castleford and Normanton, skitted on one side by the Lancashire and Yorkshire Railway, and the other by the North Midland. It comprises a MANSION, upon a moderate scale, with tastefully-arranged grounds, pleasantly situate on a side hill, overlooking a large extent of richly-timbered and park-like land, within an easy distance of the celebrated Badsworth and Brambam Kennels, in the heart of the best sporting country in Encland, aurrounded by a DOMAIN of ONE THOUSAND ONE HUNDRED AND TWENTY-FIVE ACRES of HIGHLY PRODUCTIVE LAND, divided into convenient farms, with dwelling-houses, numerous lots of accommodation land and labourers' cottages.

MESSRS, BEADEL are instructed to SELL BY AUCTION, at

M ESSRS. BEADEL are instructed to SELL BY AUCTION, at the Temporary Auction Mart, at the Guildhall Coffee-house, Gresham-street Lendon, on Thursday, the 28th day of July, at Twelve for One, in ONE LOT, the abov VERY IMPORTANT RESIDENTIAL ESTATE, situate in the parish of and adjoining the village of Featherstone, where there is a station on the Lancashire and York shire Railway, equi-distant (three miles) from Normanton and Castleford, on the Morth-Midland.

shire Railway, equi-distant (three miles) from Normanton and Castleford, on the Morth-Midland.

It includes a substantially stone-built MANSION, containing lofty and well-proportioned reception-rooms, nine bed-rooms, with the usual domestic offices and out-buildings requisite for the establishment of a gentleman's family, piaced on a side hill, with a southern aspect, overlooking a richly-timbered and undulating country, surrounded by a compact DOMAIN of ONE THOUSAND ONE HUNDRED AND TWENTY-FIVE ACRES, divided into TEN CONVENIENT FARMS, with comfortable dwelling-houses, the necessary agricultural buildings, several PLOTS of ACCOMMODATION LAND, and labourers' cottages.

The estate is situate in the most preferable and healthy part of the county, in the heart of the first hunting and sporting district in England. The land is sound and highly productive, and a large portion of it of prime grazing quality.

From a recent survey, it is found to possess the VALUABLE SEAMS OF COAL known as the Stanley Main and Haigh Moor, and there are also ENCELLENT STONE QUARRIES upon the property.

Its cental position, with the unusual facilities offered for the transit of coal, &c., to all parts of the kingdom, render it, in addition to a first-class landed investment, a thoroughly safe and lucrative mining speculation.

Particulars, with plans and conditions of sale, may be obtained at the Elephant Hotel, Pontefract; the Reindeer stotel, Doncaster; the George Hotel, York; Stafford Arms, Wakefield; the Angel, Sheffield; of Messers SIMPSON and DEMON, No. 10, Henrietter, and of Messrs, Beadel, 25 Gressam-street, London, E.C.

A NGLO-BRAZILIAN GOLD COMPANY (LIMITED).—

Notice is hereby given, that the FIRST ORDINARY GENERAL MEETING of the company will be HELD at the London Tavern, Bishopsyate-street, in the City of London, on FRIDAY, the let day of July, 1864, at Twelve o'clock precisely, for the transaction of the business of the company, including the election of auditors.

And notice is also hereby given, that immediately upon the transaction of the business of the ordinary general meeting, or upon the adjournment thereof, an EXTRAORDINARY (GENERAL MEETING of the company will be held for the purpose of carcelling.

of the ordinary general meeting, or upon the supportment the control of the purpose of cancelling GENERAL MEETING of the company will be held, for the purpose of cancelling Cinuse 56 of the Articles of Association.

By order of the Board,

JOHN E. DAWSON, Sec.

9, Liverpool-street, New Broad-street, June 23, 1864.

GREAT WEST CHIVERTON MINE .-At a MEETING, held at Tabb's Hotel, Redruth, on Thurs, at One o'clock, for the purpose of forming a company to wor t. Agnes, Capt. WILLIAM TEAGUE in the chair,

o or adventure be called Great West Chiverton, divided into 3000 shares n the Cost-book System.

and conducted on the Cost-book System.

That seven days' notice be given of all the meetings of the company, and that such notice do specify any special business to be transacted at such meeting.

That a majority of adventurers present, personally and by proxy (such proxies being held by a shareholder), do bind the absent adventurers.

That Messrs. Teague, Square, Kendali, Nicholi, and Tremayne be the committee. That a cail of £1 per share be made, one-half of which shall be forthwith paid, and the other molety within three months from this date, and that no shares be transferred until the call of £1 per share be paid.

That the sum of £1500, be paid to Mr. Square for the sett and work done up to this date, the residue of the call to be applied to the working of the mine.

That Capt. William Teague, of Tincroft, be appointed purser and manager, at a salary of £5 ss. per month.

at Mr. John Goyne be appointed clerk to the committee, at a salary of £3 3s. per

month.
That Mr. Thomas James be appointed the engineer of the mine.
That Mr. Square's office, 5, Finsbury Chambers, London Wall, be the office of reference to receive the reports, &c.

That the appointment of the bankers be left with the committee.
That Captains Henry James's and Henry Skewis's report be printed and circulated months of the sharpholders.

SWANSEA COPPER ORE WHARVES

GENTLEMEN,—We beg to inform you that, in c W. and J. M. Williams from the copper ore trad r ore trade, which they have W. and J. M. Williams from the copper ore trade, which they have carries on many years past, we have resolved to enter upon that business, and for w we have secured most eligible wharves, on the west side of the North Float, with a will be secured most eligible wharves, on the west side of the North Float, drawing 20 ft. of water can get alongside at all times. These wharves are covered in, and, together with a steam crusher now erecting, will, we expleted in two or three weeks from this date.

covered in, and, together with a steam crusher now execting, will, we expect, we can peted in two or three weeks from this date.

The business we purpose carrying on is that of copper ore wharfingers, combined win metal and other general agencies, which will be managed by oar Mr. Thomas Elization of the combined wind the combined of the combined will be managed by oar Mr. Thomas Elization, and for the last eight years has had the entire management of their large coper ore business of Messrs. W. and J. M. Williams, which we treat will be a sufficient guarantee to our friends that any business they may entrust to our care will be a sufficient of the combined with the most scrapulous attention to secure the best results for their interest Soliciting a share of your consignments of ore, regulus, and siab copper to this per as well as a share of any general business you may have to transact in this quarter, we remain, Gentlemen, your obedient servants, ELFORD, WILLIAMS, AND CO. REFERENCES:—Messrs. Williams, Foster, and Co., London and Liverpool; Mess Williams, Harvey, and Co., London and Liverpool; the Glamorganshire Banking Company, Swansva; Messrs. Alex. Bell and Sons, No. 8, Finch-hane, London.

NORTH WHEAL SETON COPPER MINING COMPANY Capital £25,000, in 1000 shares of £25 each. Deposit, £2 10s. per share. DIRECTORS.

Deposit, £2 10s. per share.

DIRECTORS.

JOHN BERAY, Esq., Stapleton House, Leeds, Colliery Owner—Chairdian,
JOHN BERAY, Esq., Hill House, Scarroft, Leeds, Railway Contractor.
THOMAS SCHOLEFIELD, Esq., Ivy House, Leeds, Gentleman,
JOHN ROSEBY, Esq., Haverboime House, Briggs, Lincolnshire, Engineer,
ALFRED TEALE, Esq., Albert Mills, Leeds, Cloth Marchant
J. W. MARSDEN, Esq., Clay Pit House, Leeds, Fronfounder,
BANKERS—Messrs. Becket and Co., Leeds,
MANGRES—C. and C. Thomas, Redwith, Cornwall.

SECRETARY—G. Simpson, Albion-street, Leeds.

OFFICES,-55, ALBION STREET, LEEDS.

This company is formed for the purpose of working the North Seton Mine, which is situate at Camborne, in Cornwall, the richest district in Europe for copper, and to the west of the celebrated Setons and Tolgus Mines, which have realised immense profut. In West Seton Mine alone having returned in one year £49,000, and still ceing one of the richest mines in the district.

Shafts have been sunk in this sett, and three promising lodes discovered, two of them from 4 ft. to 5 ft. wide, and the other from 7 ft. to 8 ft. wide.

Applications for shares and prospectuses to be made to Mr. George Sursex, E., Albion-street, Leeds; and J. P. Endean, I, Crown-court, London, E.C.

O U T H L O V E L L M I

WENDRON, CORNWALL.

In 2000 shares of £2 each.

COMMITTEE.

To be chosen at the first meeting of shareholders.

BANKERS.

London and County Bank, London; the Union Bank, Helston

PURSER—Grenfell Hill, Helston.

BROKERS.

F. G. Lane, 2, Royal Exchange, London; Joseph Ellerton, Wakefield, ETARY—Walter Thomson, Copthall-buildings, Throgmorton-street, Lo

This company is being formed for effectually working a valuable and extensive misleg property, comprising the estates of Combellack and Mengearne, near Helston, a district celebrated for the immense returns it has made, and the profitable results which have attended and is still being derived from judicious and economical tin mining; inseed, this property occupies a geological position which cannot be surpassed for the production of tin. South Loveil Mine is in the same channel of ground and adjoins East Loveli, which is divided in 1996 shares, and, upon an outlay of £2 13s. 6d., has paid 3s. per share in dividends, while the shares bear a present market value of £18 to £20 sent. This is the richest tin mine in Cornwall for the depth attained, having courses of tin valued in the aggregate at £400 to £420 per fathorn, thus showing the richness of the district. The lodes of Wheal Lovell, Trumpet Consols, and Old Trevenen Mine also run through the entire length of the sett, intersected by two masterly cross-courses. These mines have together returned nearly £1,000,000 worth of tin, and are still making large returns.

mines have together returned nearly 21,000,000 worth of the had a result making arge returns.

In South Lovell several thousands of pounds have been expended in driving addits and sinking shafts communicating with the same; by this means the position of the lodes have been ascortained, and their value proved by the quantities of tin produced, and requires only the erection of adequate machinery to make large and profitable returns, the permanency of which there is no doubt. The determination of the present company is to clear up and sink the shaft on one of the main lodes, and to develope this important property in an efficient and effectual manner. After providing for the purchase of the property, the payment of the new leases, together with all incidental expenses, there will be a clear sum of £2000 to the credit of the company, which is considered ample to bring the concern into a dividend position.

The leases are held for the erm of 21 years, at the low rate of 1-20th dues, or royalty. Prospectuses, with forms of application, may be obtained of the bankers, brokers, or of the secretary of the company.

The following reports, being from parties of known ability, integrity, and judgment, neal

The following reports, being from parties of known ability, integrity, and judge

of the secretary of the company.

The following reports, being from parties of known ability, integrity, and judgment, need no comment.

Wheal Sithney and Carnmeal United Mine, Helston.—The following is my report on South Lovell. The sett comprises the estates of Mengearne and Combellack, situate in the parish of Wendron. Its length on the line of the principal lodes is upwards of 400 fathoms; its breadth is much greater, and contains seven known lodes. The sett is traversed with cross-courses of both clay and quartz—Indeed, the necessary essentials, from what can be seen, for profitable tin mining. The sett is bounded on the west and north by New Wheal Lovell and East Wheal Lovell, but the lodes are a continuation of the Old Trevenen, Trumpet Consols, and Wheal Lovell, which are situated to the west of this sett, and have made very large profits; Trevenen paying, in one year alone, for dues more than £20,000. At East Wheal Lovell they are at present also making a good monthly profit of from £300 to £500. The sett has been worked extensively, but only at shallow depths, and on the backs of the lodes, producing a quantity of rich tin in very congenial ground, both for economical working and the production of mineral.

An adit has been taken up from the south boundary and driven on a clay cross-coms about 300 fms., for the purpose of intersecting one of the principal lodes, it being about 505 fms. distant. Operations were continued till within 50 fathoms of the point, whas some of the adventurers having got into difficulties in other concerns, the mine was subjected. The 50 fms. remaining to be driven to cut the lodes, including all the necessary costs, will not exceed 500t,, and will come in at a depth of 18 or 20 fms. from the sarface also, about 10 fms. below the shallow adit, where it intersects the shaft; and, from the Information I have gleaned from the most respectable sources, coupled with my own opinion, I feel assured that sufficient tin will be raised to pay the cost of the sidi lafer the lodes shall h

I have the strongest opinions of the merits of the sett.

WM. CHAPPELL

FROM H. C. SALMON, ESC., THE TRUBO CORRESPONDENT OF THE "MINING JOURAL".

South Wheal Lovell Mine, June 10, 1884.—I have inspected this mine, and find that it is situated in the heart of the Loveil district, immediately adjoining Old Wheal Loveil, and traversed by the Trevenen lodes and the Old Wheal Loveil, and New Wheal Loveil, and traversed by the Trevenen lodes and that can be desired for tin mining, and several of the lodes mentioned have been very extensively worked by the "old men." From the burrows of these workings I tok samples, which, on trial, gave an excellent produce for tin; so that I am induced to give credit to the statements made by the old miners of the neighbourhood, that goad tin ground is now standing in the bottom of the old workings, which are only about 5 fathoms deep, and from which considerable quantities of tin have undoubtedly bear raised. A considerable outlay has been incurred in bringing up a deep adit to unwater the old workings, 22 fathoms deep. This adit has been driven 300 fathoms, and 50 fins, more remain to be driven. Bearing in mind the Trevenen Mine, all the productive lodes of which appear to pass through this sett, has, in its time, been one of the richest in Cornwall; the Old Wheal Lovell has also made fine profits; that on the other (castern) side of South Lovell, East Lovell is now yielding a larger proportion of profit, compared with returns than any other mine in the councy, and that this set is situated in the same channel of ground, and has already yielded a considerable quantity of tin near the same channel of ground, and has already yielded a considerable quantity of tin near the surface; I must say that I consider South Lovel to be a speculation second to nose In the district.

Stray Park Mine, Camborne, June 3.—Since I wrote you yesterday I have setting.

in the district.

Stray Park Mine, Camborne, June 3.—Since I wrote you yesterday I have sen
the party who I told you could give me some information respecting South Lovell, or
merly called Mengarne. He is a man who I know would tell me the truth, and was
the agent for some time, but left for a better situation; he also was an adventurer three
all the time it worked. He said they worked on several lodes as deep as they could
for the water, which, in the deepest point, was not more than about 7 fathous below
the surface, and even at this shallow depth they raised a large quantity of the income for the water, which, in the deepeate point, was not more than about 7 fathoms below the surface, and even at this shallow depth they raised a large quantity of tin; in one place they had a bunch of tin for 8 feet wide; such a bunch as he had near before seen. They would have done a little more on the lode but the shallow adit ran together and they were obliged to leave the tin they had broken and the tools they were obliged to leave the tin they had broken and the tools they were obliged to leave the tin they had broken and the tools they were working with underground. It was then thought advisable to go back about 350 fathoms and bring up an adit, which would leave a back of 18 or 20 fathoms high. This adit was commenced and driven about 300 fms., when the adventurers' patience got exhausted and the concern was stopped, but it never reached the object for which it was started for by about 350 fathoms. The lode, however, that they worked on was not regular, it made tin in bunches similar to those in East Lovell; but there are well-defined lodes forther south, which can be intersected by cross-cutting, and that very cheaply, as there is the advantage of driving on cross-courses. The backs of the lodes can be traced for hundred soft fathoms in length, and worked at shallow depths by the old worker very extensively, and from which I have no doubt but that large quantities of lin has been fasted, in looking at the appearance of the surface, together with the information have gathered from the most reliable sources, I cannot but believe it to be a special to well worthy a trial, and one that is likely to lead to good results.

The driving of the adit should be found necessary, to erect a larger one hereafter; this will do for drawing and stamping, only care should be taken to erect it in a suitable place; but, at the same time, I think it advisable to erect a rotary engine for immediate working, and, if it should be found necessary, to erect a larger one hereafter; this will do for drawing and stamping, only care s

Numerous other testimonials of the value and importance of this property, with plans and sections, can be seen, on application, at the offices.

MINING OFFICES, 28, PRINCESS STREET, MANCHESTER. EIGH, MOLYNEUA, AND CO., MINE AGENTS AND SHAREBROKERS, BUY and SELL SHARES of EVERY DESCRIPTION, on Office of the Hazaei Grove Silver-Lead Mining Company (Limited), JAMES LEIGH, OFFICE OF THE PROPERTY.

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, a district hich have ndeed, this duction of nast Loveli, id 30s. per £20 each. race of tin cess of the ne also runs. These king large

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THE GREAT NORTH VOR TIN AND COPPER MINING COMPANY (LIMITED).

OMPANY (LIMITED).

OMPANY (LIMITED).

Incorporated under the Joint-Stock Companies Act, 1862, by which the liability of shareholders is strictly limited to the amount of their respective subscriptions.

Capital 223,000, in 5000 shares of £5 each.

Deposit £1 per share on application, and £1 on allotment.

Deposit £1 per share on application, and £1 on allotment.

JOSEPH ATWELL, Esq., 72, Beford-gardens, Kensington (Chairman of the Deal and (Company).

Walmer Pier Company).

Walmer Pier Company).

Walmer Pier Company).

ERYSET G. FELLOWES, Esq., Surbiton, Surray (Director of the Central Grylls Mining Regress G. Fellowes, Esq., 29, Guildford-street, Russell-square. [Company).

General MASON, South Parade, Trafaigar-square, Brompton.

Bankers-Messrs. Aaris and Co., 41, Lombard-street.

BEGERTARY—G. Bedford, Esq.

OFFICES.—11, 57, BENETTS PLACE, GRACECHURCH STREET.

OFFICES,-11, ST. BENET'S PLACE, GRACECHURCH STREET.

ABRIDGED PROSPECTUS.

This company is formed for purchasing and working the mines formerly known as the Leekstown Consols and Polginae, with several contiguous lodes, now all included under the name of Great North Vor. The property will be held under a lease of 21 years, at the same of Great North Vor. The property will be held under a lease of 21 years, at the low royalty of about 1-18th, and is located in the midst of the Breage and Crowan Misss, which in the aggregate have made returns of about 2,000,000?.

Misss, which in the aggregate have made returns of about 2,000,000?.

STATEMENT OF PROFITS REALISED B	BY THE MINES SURROUNDING THE PROPERTY OF NORTH VOR COMPANY.	P THE
Tast Treasury—First working £ Second working. Crowder West Treasury Wheal Sarah Binner Downs, above the 40 Binner Bowns, second working	2 90,000 Godolphin	16,000 00,000 20,000 10,000 80,000 2,000 00,000 60,000 12,000

Yull prospectuses, with forms of application for shares, can be obtained from the brokers.

Messr. Aaris and Co., 41, Lombard-street; or the secretary, at the offices of the company, where specimens from the lodes, and sections of the property, may be seen.

THE GREAT NORTH VOR TIN AND COPPER MINING COMPANY (LIMITED).
Notice is hereby given that, in consequence of the number of shares in this company that have been applied for, the directors have appointed TUESDAY, the 28th day of Jane, as the LAST DAY for RECEIVING APPLICATIONS.

By order,

Gracechurch-street.

11, St. Benet's-place, Gracechurch-street.

11.8t. Benet's-pace, Gracecontern-street.

TAST WHEAL FLORENCE, CALLINGTON, CORNWALL.—

At a MEETING of the adventurers, held at the residence of Mr. Henry Trefasis Smith, Morice-square, Devonport, on the 30th May, 1864, it was resolved:—— That the mise be divided into 6000 shares, of which 4000 at least be considered the property of the original adventurers, and that the remaining portion be offered to the public at £2 per share.

The adventurers have great confidence in calling the attention of those interested in mining operations to the accompanying reports, which they have received from practical men, who have been requested to state their opinions as to the prospects which East Wheal Florence offers to those who may feel disposed to take a share in opening up so yalable a district.

mining operations to the accompanying reports, which they have received from practical men, who have been requested to state their opinions as to the prospects which East Wheel Florence offers to those who may feel disposed to take a share in opening up so valuable a district.

REPORTS.

**Morch 10, 1864.—By your request I have inspected the above mine, and beg to hand you my report thereon. I presume there is no necessity for me to enter into detail respecting the length and breadth of this mineral property, but content myself by saying that this set is situate in the parish of Callington, in a good mining district, and is very extensive, specially in the direction of the lodes which have been discovered traversing the set; being upwards of 500 fms. in length on the course of them. There has been already two large and very promising lodes (and there is no doubt there are several sthers within the set; discovered—viz., the Wheal Tonkin and the Wheal Florence lodes, only one of which (the Wheal Florence lode) has yet been wrought on by the present company. On which (the Wheal Florence lode) has yet been wrought on by the present company. On which is doe a shaft has been sunk to a depth of 12 fms. from the surface, on a lode varying in size from 5 to 6 ft. wide, with an underlie south of about 1 ft. in a fathom; this lode is composed of iron pyrites (mundie), quartz, and black and yellow copper ore, of exceilent quality, producing of the latter from 2 to 4 tons per fm. in many places in the coarse of sinking the shaft, which is confirmed by the piles of ore. now on the surface and in course of dressing. The lode now standing in the ends of the shaft will, no doubt, pay for taking away, and leave a good profit to the adventurers. To the south of the Wheal Florence lode an adit was commenced and driven in a northerly direction about 40 fms. (and intersected the before-named lode about 13 fms. west of the shaft, through about 10 fms. west of the shaft, through a leave has been cut into in several places, and sho

pearance of the lodes, where already wrought on, there can be searce a doubt but that at reasonable depth you will have a good and insting dividend-paying mine.

Camborne, May 10, 1864.—In pursuance of your request, I have carefully inspected the above mine and sett, and have the pleasure to hand you my report. The sett is situated in the reling ground to the north-east, and close to the town of Callington: It is extensive, being upwards of 500 fathorms in length on the course of the lodes, and about 400 fms. in breadth. It includes Wheal Tonkin in the eastern ground, and adjoins the well-known Redmoor Mines to the west. The stratum is clay-sinte, and no great distance from the grantes to the north. Three known lodes traverse the sett for its entire length, two of which have been intersected 12 fms. below the surface, by a cross-cut-soli of 40 fms., and about 220 fms. from the western boundary. Knowling's lode is the most southerly yet seen; It has been opened on by level 15 fms. east of the adic cross-cut. In this diving the lode has varied from 2 to 3 feet in width, with an underlie of 15 lo. per fm. south; it is composed of quartx, chlorite, mundic, and at intervais bunches of rich yellow copper ore. Knowling's shaft is sunk 12 fms below the surface, and communicated with the adit 2 fms. behind the end; the lode in this shaft is from 2 to 3 ft. wide, much of the same character as in the level, also yielding bunches of copper ore. About 4 fms. west of Knowling's shaft the back of the level is working by two men, at 10s. in 11. tribute. Smith's lode is intersected 5½ fms. north of Knowling's, and developed by level 9 fms. west of the adit cross-cut. In this driving the lode is 4 ft. wide, and underlies 1 ft. per fm. south; it is composed of mundic, chlorite, and prian, with coasional stones of yellow copper ore; this lode carries a good flookan on the south side, is well defined, and of a very promising character. The rising ground which these lodes travers ranges east, consequently they will take back in that

See a set which offers greater inducements for the investment of capital.

East Wheal Russell, May 19, 1864.—I have this day carefully inspected the above-named mine, and beg to hand you my report thereon. The sett is situated on the southwest aide of kit Hill, in the parish of callington, in the county of Cornwall, and is upwards of 500 fms. east and west on the line of the lodes, and about 400 fms. from north south, and the stratum in which the lodes are embedded is a light blue clay-slate. Close to the grante range an adit level has been driven north about 40 fms., and intersected two lodes, which is about 200 fms. east of the western boundary. The south lode (Knowling's) being opened on by a level about 17 fms. east, varying in size from 1½ to 4 feet in width, composed of capel, quartz, peach, prian, mundie, black oxide, grey and yellow solphate of copper ore, and underlying south about 1 ft. in a fathom, and the present end ceast) presenting a promising appearance. From the present bearing of the lodes, an improvement gap promising appearance. From the present bearing of the lodes, an improvement approach of the dides will take place. The lode has been opened on the west of the adit about 3 fms., the bottom of the lodes producing a little rich yellow copper ore in places, the lode in the end being small; but as the hill drops fast in this direction there cannot be much chance of an improvement in this direction at so shallow a depth; therefore, I would recommend the suspension of the driving in that direction there cannot be much chance of an improvement in this direction at so shallow a depth; therefore, I would recommend the suspension of the driving in that direction there cannot be much chance of an improvement in this direction at so and the suspension of the driving in the back of the adit from surface to adit varies in size from 4 to ½6, to, which has been opened on about 7 fms.; the lode in the end is from 3½ to 4 ft. wide, eomposed of capel, quartity, pract, mandie, and copper ore, and is decidedl

Applications for shares to be made on or before the 30th June, to the purser, Mr. R. E. KROWLING, Morice-square, Devonport.

MONEY.—CONTRACTORS and OTHERS can be ACCOMMODATED with LOANS, DISCOUNTS, &c.—Apply to Messrs. bill, London, E.C.

NICHOLLS, WILLIAMS, AND CO., ENGINEERS,
BEDFORD IRONWORKS, TAVISTOCK.
MANUFACTURERS of STEAM ENGINES of EVERY DESCRIPTION, made on
the BEST and NEWEST PRINCIPLES. We beg more sepacially to call the attention
of the public to the manufacture of our ROLLERS, which have been tested by most of
our leading engineers. PUMP WORK CASTINGS of EVERY DESCRIPTION, both
of brass and iron. HAMMERED IRON and HEAVY SHAFTS of ANY SIZE.
CHAINS made of the best iron, and warranted. RAILWAY WORK of EVERY
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ALL ORDERS FOR ARROAD RECEIVE their REST ATTENTION. Negative.

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ONE 30 in, ditto ditto
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ONE 10 in ditto ditto
ONE 20 in ditto ditto
ONE 10 in ditto ditto
ONE 20 in ditto ditto
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RAILWAY CARRIAGE COMPANY (LIMITED),

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PATENT WHEEL MANUFACTORY, BEVERLEY IRONWORKS,
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O A L C U T T I N G M A C H I N E R Y .—
perfected their coal cutting machinery, worked by compressed air, are NOW IEADY
to MAKE CONTRACTS for the CONSTRUCTION and USE of their MACHINES.
The results of twelve months' experience in the working of these machines, by the
West Ardsley Company, have proved most satisfactory, their use being found to
CHEAPEN the COST and IMPROVE the average SIZE of the COAL, to LIGHTEN
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All communications to be made to Messrs. FIRTH, DONISTHORPE, and BOWER, No. 8,
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POWARDS'S PATENT MINERAL ORE AND COAL WASHING MACHINE.—This is by far the MOST ECONOMICAL, as well as the MOST PERFECT MACHINE MADE. Each machine is capable of washing 25 to 50 tons per diem, according to quality.—Full particulars, testimonials, &c., may be obtained from E. Edwards, Esq., C.E., 1, York-buildings, Adelphi, where a working model may be seen.

DANIEL COLLINGE AND SON'S PATENT
SPONGE CLOTHS.
WE HAVE APPOINTED MR. ELLIS LEVER, of this city, SOLE AGENT for
the SALE of OUR PATENT SPONGE CLOTHS in the MINING DISTRICTS of
GREAT BRITAIN.
Manchester, March 5, 1864.
I shall be gind to SUPPLY SAMPLES and PRICES of DANIEL COLLINGE AND
SON'S PATENT SPONGE CLOTHS, which are a VALUABLE SUBSTITUTE for
COTTON WASTE in the CLEANING of ENGINES and MACHINERY.
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A S T O N'S PATENT BOILER FLUID,
FOR REMOVING AND PREVENTING
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P. S. EASTON AND G. SPRINGFIELD,
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37, 38, and 39, WAPPING WALL, LONDON, E.,
Or of their Agents in the principal towns of Great Britain and the Cotonles.

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NEW COMBINED TURBINE, WINDING, AND PUMPING MACHINERY,
MANUFACTURED by GEORGE LOW,
MILIGATE IRONWORKS, NEWARK-UPON-TRENT,
Who respectfully begs to bring the above to the notice of the mining public, as an exceedingly cheap and easy method of applying water-power for the above purposes.
The TURBINE, WINDING, and PUMPING MACHINERY are all fixed complete to one strong cast-fron bed plate, which can be placed in any situation without pit or excavation, and any height not exceeding 33 ft. from bottom of fail, the supply and suction pipe being all that is required to be connected to it, and can be brought in any direction. This combined machine can be easily removed when necessary.

G. Low begs also to state that the TURBINE is the most efficient and the cheapest method of applying water-power for mining purposes.

MANUFACTURER of WINDING, PUMPING, CRUSHING, STAMPING MACHINERY, WINDING ENGINES, WATER WHEELS.
IMPROVED TURBINE WATER WHEELS CONSTRUCTED either to WORK VERTICALLY or HORIZONTALLY, and upon the MOST SCIENTIFIC and EFFECTIVE PRINCIPLE.

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A BRILLIANT 'ET BLACK, SUPERIOR to PAINT in
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BOUKS, KIBBLES, BOILERS, IRON BLOCKS, and BLOCK CHAINS.
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Prize Medal Awarded Great Exhibition, 1851, for Mining Chains.

Exhibition Medal, 1862.

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WEIGHBRIDGES, overhead TRAVELLING WEIGHING CRANES and CRABS,
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Of the WALL, PILLAR, PORTABLE, or TRAVELLING KINDS; and CRABS and
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COLUMNS, TANKS, and PUMPING MACHINERY, and GENERAL RAILWAY
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PATENT SAFETY FUZE WORKS, TUCKINGMILL, CORNWALL.—We beg respectfully to inform the public that since the decease of the late Mr. Thomas Dayer this firm has consisted of John Solomon Bickford, George Smith, Francis Pryor, Simon Dayer, and William Bickford Smith. It is requested that all letters may be addressed, and all cheques and drafts made payable to us, as

Gun Cotton Manufactory.

Gun Cotton Manufactory.

MESSRS. THOMAS PRENTICE AND CO.,
GREAT EASTERN CHEMICAL WORKS, STOWMARKET, SUFFOLK.
This manufactory has been established for the purpose of preparing GUN COTTON, according to the Austrian process, and was opened on the 26th of January last, under the inspection of Baron Lenk. Messrs. Thomas Prentice and Co. are now able to SUPPLY GUN COTTON, in its mest approved form, either for the purposes of engineering and mining, or for military and submarine explosion, and for the service of artillery, as a substitute for gunpowder.

The advantages of Baron Lenk's GUN COTTON are the following:—
For FURPOSE or ARTILLENY.—The same initial velocity of the projectile can be obtained by a charge of gun cotton one-fourth of the weight of gunpowder. There is no smake from the explosion of gun cotton; it does not foul the gun, nor heat it to the injurious degree of gunpowder. There is much smaller recoil of the gun. The same initial velocity of projectile is produced, with a shorter length of barrel. In projectiles of the nature of explosive shells it breaks the shell more equally into much more numerous pleces than gunpowder. When used in shells, one-third the weight of gun cotton produces double the explosive force of gunpowder, thus a smaller pieces than gunpowder. In driving tunnels through hard rock a charge of gun cotton of given size exerts double the explosive force of gunpowder, thus a smaller number of holes is necessary. It may be so used as, in its explosion, to reduce the rock to much smaller pieces than gunpowder, and so facilitate its removal. As gun cotton produces no smoke, the work can proceed much more rapidly, and with less injury to the health of the miners. In working coal mines the advantages of bringing down much larger quantities of material with a given charge, and the absence of smoke in the explosion, enable a much explait of gun cotton required to produce a given effect in mining is only one-sixth part of the weight of gunpowder. The bastings of the dearned. For the sixth of

FOR NAVAL WARFARE.—In the batteries of ships, between decks, and in casemated forts, the absence of smoke facilitates continuous rapid firing. The absence of fouling and of heating are equally advantageous for maval as for military artillery. GEMERAL ADVANTAGES.—Time, damp, and exposure do not alter the qualities of the patent gan cotton. It has already been preserved 10 years without injury or decay. It can be transported through fire without danger, simply by being wetted, and when dried in the open air it becomes as good as before. In the case of a ship, or a fortress, or a city being on fire, this quality may been the greatest vatue. It is much safer than gunpowder, owing to its being manufactured in the shape of rope or yars. It cannot escape from its package, or be spilled by accident. The patent gun cotton is entirely free from the danger of spontaneous combustion, and secures that degree of safety and certainty which, at the time of the original invention, the gun cotton of Schönbein did not possess. Messrs. Thomas Prentice and Co. are now in a position to contract with the owners of mines, engineers, contractors, and governments for gun cotton prepared in the various forms required for their use. Mining charges will be supplied in the rope form, according to the diameters of bore required, and gun cotton match-line, as well as instructions for using it in mines, will be supplied with it.

The great advantage of gun cotton make its use in practice very much cheaper than its comparative price would appear to show; in blasting rock, for example, the rapidity and quantity of the work done, with a given expense of wages, &c., is largely in favour of gun cotton.

Messrs. Thomas Prentice and Co. are also prepared to manufacture the gun cotton,

and quantity of the work usine, which are also prepared to manufacture the gun cotton.

Messrs. Thomas Prentier and Co. are also prepared to manufacture the gun cotton, and deliver it in the form of gun cartridges, adapted to every description of ammunition, all they require for this purpose being a drawing of the gun, gunpowder cartridges, and ammunition, with the specification of weights, sizes, and initial velocities.

Artillerists who prefer to manufacture their own cartridges may make special arrangements with the patentee through Messrs. Prentice and Co.

Stowmarket, March 10, 1864.

CREASE'S PATENT EXCAVATING MACHINERY,

CREASE'S PATENT EXCAVATING MACHINERY, for SUPERSEDING the SLOW and EXPENSIVE USE of MANUAL LABOUR IN SINKING SHAFTS, DRIVING LEVELS, TUNNELLING, &c., is guaranteed to drive through any rock of average hardness at a minimum rate of 1 fm. per diem, and to sink shafts at the rate of 2 fms. in three days.

Mr. Crease will undertake contracts for sinking shafts, driving levels, &c., at an enormous reduction of time and great saving in cost.

Applications to be addressed (for the present) to the patentee, Mr. E. S. Crease, Tavistock, Devon.

By providing the power of calculating the time and cost to explore a certain depth and extent of ground, speculation in mining will be assimilated to commercial pursuits, with this unmistakable advantage—that when the ground has been once carefully and judiciously selected, and operations properly and systematically carried out for its de velopment, there would be far less chance of unsatisfactory results than are met with by merchants and manufacturers in the usual routine of their business. As this important invention must beneficially interest the landowners, mine proprietors, mechants, and miners, we opline it will meet with immediate adoption.—Minne Journal.

PASTIER'S PATENT CHAIN PUMP,
APPLICABLE TO ALL KINDS OF MINES, DRAINAGE, WELLS, MARINE,
FIRE, &c.

FIRE, &c.

J. U. Bastler begs to call the attention of proprietors of mines, engineers, architects armers, and the public in general, to his new pump, the cheapest and most efficienteer introduced to public notice. The principle of this new pump is simple and effective, and it action is so arranged that accidental breakage is impossible. It occupies less space than any other kind of pump in use, does not interfere with the working of the shafts, and unites lightness with a degree of durability almost imperishable. By means of this hydraulic machine water cas be raised economically from wells of any depth; it can eworked either by steam-engine or any other motive power, by quick or slow motion. The following statement presents some of the results obtained by this hydraulic machine, as daily demonstrated by use;—

1.—It utilises from 80 to 82 per cent. of the motive power.

2.—Its price and expense of installation is 75 per cent. less than the usual pumps employed for mining purposes.

3.—It occupies a very small space.

4.—It raises water from any depth with the same facility and economy.

5.—It raises with the water, and without the slightest injury to the apparatus, sand, and, wood, stone, and every object of a smaller diameter than its tube.

6.—It is easily removed, and requires no cleaning or attention.

A mining pump can be seen saily at work, at Wheal Concord Mine, South Sydenham, Devon, near Tavistock; and a shipping pump at Woodside Graving Dock Company (Limited), Birkenhead, near Liverpool.

J. U. Bastler, sole manufacturer, will CONTRACT to ERECT his PATENT PUMP as HIS OWN EXPENSE, and will GUARANTEE IT FOR ONE YEAR, or will GRANT LICENSES to manufacturers, mining proprietors, and cohers, for the USE of his INVENTION.

OFFICES, 47, WARREN STREET, FITZROY SQUARE. J. U. BASTIER begs to call the attention of proprietors of mines, engineers, architects

f his INVENTION.
OFFICES, 47, WARREN STREET, FITZROY SQUARE.
London, March 21, 1859. Hours from Ten till Four. J. U. BASTIER, C.E.

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19 Fact Work (tin), Germos 0.00 0.0 34 31 32 32 19 6. 0 12 0 — June, 1884 19 Germos Work (tin), Germos 0.00 0.0 5 0.		6 15 2 0 10 0-Nov 1963
11	5908 Great Wh. Vor (tin, cp.), Helston [S.E.] 40 0 0 34 31 32	3 19 6., 0 12 0-June, 1864
400 Marke Valley (topper), Caradon 4 10 6. 43. 5 5.4 18 10 0. 3 0 0 — June, 1884 1800 Miners Mining Co. (It.), (id.), Wrexham 25 0 8. — 145 18 0.10 0 0 — May, 1864 1800 Miners Mining Co. (It.), (id.), Wrexham 25 0 8. — 16 19 7. 0 12 3 — Jan. 1884 1800 Mwyndy (tron ore) (It. £4) [S.E.] 2 10 0 16 18 18 0.10 0 0 — May, 1864 1800 Mwyndy (tron ore) (It. £4) [S.E.] 2 10 0	119 Great Work (tin), Germoe100 0 0	5 0 0 5 0 0-Feb. 1864
9000 Marke Valley (copper), Caradon 4 10 6 . 434 5 534 2 13 0 . 0 1 G-April, 1864 1800 Minera Mining Co. (f. L.) (id.), Wrexham 25 0 8 . — 145 180 . 10 0 G-May, 1864 250 Mining Co. of Ireland (cop., lead, coal) 7 0 0 . — 161 19 7 . 0 12 3—3an. 1864 4000 Myndy (fron ore) (L. £4] (S. E.] . 2 10 0 . — 0 4 0 . 0 2 0—April, 1864 250 Nanty Mines (lead), Montgomery 20 0 0 . — 0 8 0 . 0 2 G-April, 1864 250 Nanty Mines (lead), Montgomery 20 0 0 . — 0 8 0 . 0 2 G-April, 1864 260 Nanty Mines (lead), Montgomery 20 0 0 . — 0 8 0 . 0 2 G-April, 1864 260 Nanty Mines (lead), Montgomery 20 0 0 . — 0 8 0 . 0 2 G-April, 1864 260 Nanty Mines (lead), Montgomery 20 0 0 . — 2 0 8 0 . 0 2 G-April, 1864 260 Nanty Mines (lead), Montgomery 20 0 0 . — 2 0 8 0 . 0 2 G-April, 1864 260 Par Consols (cop.), St. Agnes 1 9 0 . 2½6 1½ 2 0 13 0 . 0 2 G-Fab. 1864 260 Nanty Mines (copper), Anglessey [L.] . 5 0 0 . — 3 66 19 0 . 0 2 G-Mar. 1863 212 Polytero (tin), St. Agnes 15 0 0 . — 7 19 6 . 0 10 0 —Nov. 1863 212 Polytene (tin), St. Agnes 8 0 0 . — 1 0 0 . 1 0 0 —July, 1863 212 Polytene (tin), My Lelantf (S. E.] 1 5 0 . — 3 40 73 5 0 . 1 0 0 —May, 1864 260 Rosewall Hilliand Ransom United 21 19 0 . — 4 0 10 0 . 0 1 6 —June, 1865 240 St. Day United (tin), Redreth 1 4 0 0 . — 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		28 0 0 1 15 0-Feb. 1864
1800 Minera Mining Co. (It.), (id.), Wrexham 25	9000 Marke Valley (copper), Caradon 4 10 6 434 5 514	421 10 0 3 0 0-June, 1864
19000 Mining Co. of Ireland (cop., lead, coal) 7 0 0 16 19 7 0 12 3—Jan. 1884	1800 Minera Mining Co.[L.],(id.), Wrexham 25 0 9.	145 18 0 10 0 0 May 1964
250 Namy Mines (cease), Montgomery 20 0 0 0 0 7 0 0 1 0 0 June, 1864 6000 New Birch Tor and Vitifer Cons. (tin) 1 6 6 0 0 8 0 0 2 6 - Feb. 1864 6400 Par Consols (cop.), St. Blazey [8,E.] 1 2 8 0 2 ½ 14 2 0 13 0 0 2 6 - Feb. 1864 6400 Par Consols (cop.), St. Blazey [8,E.] 1 2 8 0 0 0 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0	20000 Mining Co. of Ireland (cop., lead, coal) 7 0 0	16 19 7., 0 12 3-Jan. 1864
200 Nanty Mines (1804), Montgomery		0 4 0 0 2 0-April, 1864
5936 North Treskerby (copper), St. Agnes		7 0 0 1 0 0-June, 1864
\$400 Par Consols (cop.), St. Blazey [8,E.] 1 2 6		0 8 0 0 2 6-April, 1864
102 10 10 10 10 10 10 10		
1772 Polberro (tin), St. Agnes 15 0 0	200 Parys Mines (copper), Anglesey [L.]. 50 0 0	102 10 010 0 0-April 1864
1125 Providence (tin), Uny Lelantf (S.E.). 10 6 7. 40 39 40 73 5 0., 1 0 0—May, 1864 6000 Rosewall Hill and Ransom United 218 0 0100.0 1 6—June, 1865 612 South Caradon (cop.), St. Cleer* (S.E.) 1 5 0 438 10 0 6 0 0—May, 1864 496 8. Wh. Frances (cop.), Hogan* (S.E.) 18 18 9 57¼. 47½ 62½ 370 15 6 1 0 0—May, 1863 490 88. Day United tin), Redruth 14 0 0 7½ 0 6 0 0 5 0—May, 1864 940 81. Ives Consols (tin), St. Ives* 8 0 0 7½ 0 6 0 0 5 0—May, 1864 940 81. Ives Consols (tin), Fool, Hogan* (S.E.) 9 0 0 19 17½ 18 14 18 6 0 10 0—June, 1864 940 10 10 0—May, 1864 9400 Vigra and Clogau (copper) (L.E.) 4 0 0 6 2 6 1 10 0—June, 1864 9400 West Basset (copper), Hogan* (S.E.) 1 10 0 10½ 25 8 0 0 5 0—May, 1864 9000 W.Chiverton, (Id.), Perranzabuloe(S.E.) 75 71 73 2 5 0 0 15 0—April, 1864 9000 W.Chiverton, (Id.), Perranzabuloe(S.E.) 75 71 73 2 5 0 0 15 0—April, 1864 9000 W.Chiverton, (Id.), Perranzabuloe(S.E.) 75 71 73 2 5 0 0 15 0—April, 1864 9000 W.Chiverton, (Id.), Perranzabuloe(S.E.) 91 10 0 1		7 19 6 0 10 0-Nov. 1863
5000 Rosewall Hill and Ransom United 2 10 0	517 Polibreen (tin), St. Agnes 8 0 0	1 0 0 1 0 0-July, 1863
512 South Caradon (cop.), St. Cleer* (S.E] 1	6000 Posewall Hill and Ransom United 2 16 0	73 5 0 1 0 0-May, 1864
512 South Tolgus (cop.), Redruth, Cornwail* 8 0 0 . 39 . 37 39 . 74 10 0 . 1 0 0 . May, 1863 496 8 . Wh. Frances (cop.), Illogan (S.E.) 18 9 . 574. 474 524. 370 13 6 . 1 0 0 . Nov. 1863 4000 8t. Day United (tin), Redruth . 14 0 0 . 73. 74. 40 6 6 0 5 0 . Mar. 1864 400 8t. Ives Consols (tin), 8t. Ives t . 8 0		438 10 0 6 0 0-May 1864
496 8, Wh. Frances (cop.), Hogan (S.E.) 18 18 9. 57½, 47½ 52½ 370 13 6. 1 0 0 —Nov. 1863 4940 8t, Ives Consols (tin), 8t. Ives 1 8 0 0 — 52½ 490 10 0. 0 10 0—May, 1864 4900 W; Ives Consols (tin), 8t. Ives 1 8 0 0 — 19 17½ 18 14 18 6. 0 10 0—June, 1864 4900 Vigra and Clogau (copper) [L. £5] 4 0 0 — 25 8 0. 0 15 0—April, 1864 8000 W; Chiverton, (id.), Ferranzabuloe (S.E.) — 75 71 73 2 5 0. 0 15 0—April, 1864 8000 W; Chiverton, (id.), Ferranzabuloe (S.E.) — 75 71 73 2 5 0. 0 15 0—April, 1864 8000 W; Chiverton, (id.), Ferranzabuloe (S.E.) — 75 71 73 2 5 0. 0 15 0—April, 1864 8000 W; Chiverton, (id.), Ferranzabuloe (S.E.) — 75 71 73 2 5 0. 0 15 0—April, 1864 810 W; Chiverton, (id.), Ferranzabuloe (S.E.) — 75 71 73 2 5 0. 0 15 0—April, 1864 190 W; Chiverton, (id.), Ferranzabuloe (S.E.) 5 2 6 95 89 91 600 0 0. 1 10 0—June, 1864 1912 Wheal Basset (copper), Hiogan (S.E.) 5 2 6 95 89 91 600 0 0. 1 10 0—June, 1864 1912 Wheal Basset (adgrylis (tin) — 7 0 0 — 9 11 3 0 0. 0 10 0—Oct. 1863 1024 Wheal Grylis (tin), Ferranzahunoe 2 4 0 — 9 11 3 0. 0 0 0—Rept. 1863 1024 Wheal Sanset (tin), Uny Lein (S.E.) 2 0 6 12 11½ 12½ 91 10 0. 0 10 0—April, 1864 1924 Wheal Kitty (tin), Uny Lein (S.E.) 2 0 6 12 11½ 12½ 91 10 0. 0 10 0—May, 1864 100 Wheal Mary (tin), Uny Lein (S.E.) 2 0 6 12 11½ 12½ 91 10 0. 0 10 0—May, 1863 100 Wheal Mary (tin), Leiant 3 2 8 — 98 50 4 0 0—May, 1864 800 Wheal Owies (tin), St. Just, Cornwall 70 0 0 — 343 3 0 5 0 0—May, 1864 896 Wheal Owies (tin), St. Just, Cornwall 70 0 0 — 343 3 0 5 0 0—May, 1864 896 Wheal Steon (tin, copper), Camborne, 58 10 0 225 220 225 174 15 0 0 0—10 1, 1864	512 South Tolgus (cop.), Redruth, Cornwall® 8 0 0 39 37 39	74 10 0 1 0 0-May, 1863
990 81, Ives Consols (tin), St. Ives ' 5 0 0 9 17 17 18 18 14 18 6 01 0 1 10 0 10 0 10 0 10 0 10 0 10	496 S. Wh. Frances (cop.), Illogan* [S.E.] 18 18 9. 57144714 5214	6 370 13 6 1 0 0-Nov. 1863
5000 Tincroft (cop. tin), Fool, Illogan [8, E.] 9 0 0 . 19 . 17½ 18 . 14 18 6. 0 10 0 — June, 1864. 4200 Vigra and Clogau (copper), Illogan [8, E.] . 1 10 0	940 St. Lyce Console (tin) St. Lycet 8 0 0. 7% 7%	0 50 0 5 0-Mar. 1864
4200 Vigra and Clogau (copper) [L. £5] . 4 0 0	6000 Tineroft (con. tin) . Pool . Illoran [S.E.] 9 0 0 19 1714 18	14 18 6 0 10 0-May, 1864
6000 West Basset (copper), Illogan [S.E.]. 1 10 0. 10 10 25 8 0. 0 5 0 5 0 <t< td=""><td>4200 Vigra and Clogau (copper) [L. £5] 4 0 0</td><td>. 6 2 6. 1 10 0-Mar. 1864</td></t<>	4200 Vigra and Clogau (copper) [L. £5] 4 0 0	. 6 2 6. 1 10 0-Mar. 1864
256 West Damsel (copper), Gwennap	6000 West Basset (copper), Illogan [S.E.]. 1 10 0. 1014	25 80 0 50-May, 1864
400 W.Wh. Seton (cop.), Camborne [8.E.] & 47 10 0. 195 200 210 409 0 0. 4 0 0 — June, 1864 1512 Wheal Basset copper), Iliogan [S.E.] & 2 6. 95 89 91 600 0 0. 1 10 0 — June, 1864 1000 Wheal Basset and Grylls (tin) 7 0 0 9 11 3 0 0 0 10 0 — Cet. 1863 1024 Wheal Orylls (tin), Ferranuthnoe. 2 4 0 9 11 3 0 0 0 10 0 — Cet. 1863 1612 Wheal Jane (silver-lead), Kes 3 10 0 14 10 0 0 10 0 — May, 1864 4295 Wheal Kitty (tin), Bt. Agnes 5 4 6 6½ 6½ 6½ 1 13 6 0 5 0 — April, 1864 4295 Wheal Kitty (tin), Uny Lelant [S.E.] 2 0 6 12 11½ 12½ 115 6 0 5 0 — April, 1864 896 Wh. Margaret (tin), Uny Lelant [S.E.] 8 0 6 15 14 15 68 7 6 0 10 0 — May, 1863 100 Wheal Mary (tin), Lelant 36 2 6 288 5 0 4 0 0 — Mar. 1864 80 Wheal Owies (tin), St. Just, Cornwall 70 0 0 288 5 0 4 0 0 — Mar. 1864 896 Wheal Seton (tin, copper), Camborne. 88 10 0 225 220 225 174 15 0. 4 0 0 — June, 1864 196 Wheal Seton (tin, copper), Camborne. 88 10 0 225 220 225 174 15 0 4 0 0 — June, 1864	3000 W.Chiverton,(Id.),Perranzabuloe[S.E.] 75 71 73	2 5 0 0 15 0-April, 1864
512 Wheal Basset (copper), lilogan* (S.E.] 5 2 6 95 89 91 600 0 0 1 10 0—June, 1866 1000 Wheal Basset and Grylls (tin) 7 0 0 91 3 0 0 10 0—Oct. 1863 1024 Wheal Grylls (tin), Perranuthoe 2 4 0 14 10 0 0 10 0—Oct. 1863 1024 Wheal Kitty (tin), 8t. Agnes 5 4 8 634 644 64 1 13 6 0 5 0—April, 1864 1024 Wheal Kitty (tin), Uny Lellant [S.E.] 2 0 6 12 1144 124 10 10 0 0 7 6—April, 1864 1694 Wh. Margaret (tin), Uny Lellant [S.E.] 9 17 6 76 80 1 0—May, 1863 1024 Wh. Mary Ann (id.), Menheniot [S.E.] 8 0 0 15 14 15 68 7 6 0 10 0—June, 1864 100 Wheal Mary (tin), Lelant 36 2 6 98 98 Wheal Owled (tin), 8t. Just, Cornwall 70 0 0 98 50 4 0 0—Mar, 1864 80 Wheal Seton (tin, copper), Camborne. 88 10 0 225 220 225 174 15 0 4 0 0—June, 1864 1896 Wheal Seton (tin, copper), Camborne. 88 10 0 225 220 225 174 15 0 4 0 0—June, 1864	400 W Wh. Seton (cop.), Camborne S. E. 19 47 10 0. 105 200 210	49 10 0 1 0 0-May, 1864
1000 Wheal Basset and Grylls (tin) 7 0 0 . 9 11 3 0 0 . 0 10 0—Oct. 1863 1024 Wheal Grylls (tin), Perranuthnee 2 4 0		600 0 0 1 10 0-June 1864
1024 Wheal Grylls (tin), Perranuthnoe 2 4 0 6 2 0 1 0 0-Sept. 1863	1000 Wheal Basset and Grylls (tin) 7 0 0 9 11	3 0 0 0 10 0-Oct. 1863
102 Wheal Jane (silver-lead), Kes	1024 Wheal Grylls (tin), Perranuthnoc 2 4 0	6 2 0 1 0 0-Sept. 1863
1024 Wheal Kitty (tin), Uny Lelant [S.E.] 2 0 6. 12 .11½ 12½ 9 15 0. 0 7 6—April, 1864 896 Wh. Margaret (tin), Uny Lel. [S.E.] 9 17 6 76 5 0 1 0 0—May, 1864 100 Wheal Mary (tin), Lelant	4995 When Kitty (tin) St. Agree 5 4 6 494	14 10 0 0 10 0-May, 1864
896 Wh. Margaret(tin), Uny Lel. [8,E.]. 9 17 6. —	1024 Wheal Kitty (tin), Uny Leiant [S.E.] 2 0 6. 12 111/2 191/2	9 15 0 0 7 6-April 1864
1024 Wh. Mary Ann (1d.), Menheniot [8.E.] 8 0 0 15 14 15 58 7 6 0 10 0—June, 1864 100 Wheal Mary (tin), Lelant	896 Wh. Margaret (tin), Uny Lel. [S.E.] 9 17 6	
100 Wheal Mary (11n), Leiant	1024 Wh. Mary Ann (ld.), Menheniot [S.E.] 8 0 0 15 14 15	58 7 6 0 10 0-June, 1864
396 Wheal Seton (tin, copper), Camborne . 58 10 0 225 220 225 174 15 0 4 0 0-June, 1864	100 Wheal Mary (tin), Lelant 36 2 8	288 5 0 4 0 0-Mar. 1864
1040 Wh.Trelawny(stlld.),Liskeard [S.E.] 5 17 0 19 20 49 12 6 0 12 6-May. 1864	296 Wheal Seton (tin, copper), Camborne, 58 10 0 998 990 998	174 15 0 4 0 0 May, 1864

[Dividends paid every two months.	† Dividends paid	every	three months.

	BRITISH MINES WITH DIVIDENDS	IN	ABEYANCE.
	Boscean (tin), St. Just 20 10 0		36 10 0 1 0 0-Mar. 1862
8000	Chiverton (lead), Perranzabuloe [8.E.] 5 0 0 11141034 11		
	Condurrow (cop., tin), Camborne 45 0 0 80 85		85 0 0 2 0 0-June, 1857
	Cook's Kitchen (copper), Illogan 17 15 9 21 20 21		1 70 0 70-May, 1862
	Copper Hill (copper), Redruth 12 0 0 8 9		2 7 6Sept. 1862
	Craddock Moor (copper), St. Cleer 8 0 0		7 12 0 0 4 0-July, 1862
	Derwent Mines (sillead), Durham 300 0 0		147 0 0 5 0 0-June, 1862
4076	Devon and Cornwall (cop.), Tavistock 6 6 3		0 10 0 0 2 6-Feb. 1859
	Dyfngwm (lead), Wales 12 6 6		0 17 6 0 2 6-Jan. 1863
	Fowey Consols (copper), Tywardreath 4 0 0		41 9 3 0 2 6-June, 1860
	Great South Tolgus, Redruth 0 14 6 314 276 33	6	7 18 6 0 5 0-Dec. 1861
10240	Gunnis Lake (Clitters' Adit) 0 2 0		0 3 0 0 1 6-Mar. 1862
160	Levant (copper, tin), St. Just 2 10 0		091 0 0 5 0 0-May, 1860
640	Mount Pleasant (lead), Mold 4 0 0		18 18 1 0 7 6-Aug. 1862
8000	Orsedd (lead), Flintshire 0 0 8		
8000	South Exmouth (lead), Christow 1 10 0		
	Spearne Moor (tin, copper), St. Just 32 17 9		
572	Trelyon Consols (tin), St. Ives 13 10 0		7 0 0 0 10 0-Sept. 1860
	Trumpet Consols (tin), near Helston., 11 10 0		
	Twelve Apostles Amal. (ld.), Wrexham 1 0 0		
	Wendron Consols (tin), Wendron 18 3 10		8 15 0 1 0 0-Jan. 1861
	West Burton Gill (lead), Yorkshire 50 0 0		14 10 0 3 0 0-June, 1861
1024	West Caradon (cop.), Liskeard [S.E.]. 5 0 0		101 1 3 0 10 0-Oct. 1862
1024	Wheal Friendship (copper), Devon		295 10 0 5 0 0-Feb. 1861
6400	West Fowey Consols (tin and copper), 7 10 0	•••	0 19 0 0 3 0-May, 1862
-	most rone, comment (an and copper). The bis	••	0 10 0 0 0 U-May, 1862

FOREIGN DIVIDEND MINES.

						- 1
	Australian (cop.), S. Australia [S.E.] 7			••	0 1 0 0 1 0-Dec. 186	83
2464	Burra Burra (cop.), South Australia. 5	0 0	65		315 0 0 8 0 0-Mar. 186	84
6000	Central American (silver) [L.] 5	0 0			4 6 8 0 14 10-Dec. 186	88
12000	Cobre Copper Co. (cop.), Cuba [S.E.] 40	0 0	35 33 35		99 12 0 1 0 0-Jan. 186	64
100000	Don Pedro No. Del Rey[L. £1] [S.E.] 0	10 0	5/8		0 0 9., 0 0 9-Dec. 186	88
70000	English and Australian [S.E.] 5	0 0		••	1 10 0 0 2 6-Feb. 186	34
18000	East Indian Coal, Calcutta [L.] 10	0 0			#1/	
	Fortuna (lead), Spain [L.] [S.E.] 2	0 0	4 35% 3%		0 11 4 0 3 0-Feb. 186	
	Gen. Mining Assoc., Nova Scotia[S.E.]20		22		19 15 0 0 10 0-June, 186	
68000	Kapunda Mining Co., Australia [S.E.] 1	0 0			A 10 0 0 1 0 V 104	
	Linares (ld.), Pozo Ancho, Spain [S.E.] 3	0 0	6%		9 11 2 0 5 0-Oct. 186	
	Pontgibaud (sillead), France [S.E. 120		9 79		1 7 3 0 7 3-Jan. 186	
	Port Phillip (gold), Clunes [8.E.] 1	0 0	1% 11%		0 11 0 0 1 6-Jan. 186	
	St. John del Rey [L.], Brazil [8.E.], 15		45 39 41		80 18 0 0 10 0 W HOL	
	Unit, Mexican(sil.), Mexico[S.E.]Av. 28		51/4 6		2 14 0 0 5 0-May, 186	
	Vancouver (coai) [L. £10] 5	0 0			0 10 0 0 5 0-May, 186	
	West Canada Mining Company [L.] 1			••		
	Yudanamutana (cop.), S. A. [L.] [S.E.] 3		3 . 214 234	••	0 5 0 . 0 5 0 Ang 186	

FOREIGN MINES WITH DIVIDENDS IN ABEYANCE.

10000 Alten and Quænangen Uni.(cop.)[L.£5]4 10 0		 4 5 0 0 15 0-Nov. 1853
10000 Copiapo Mining Company, Chili [S.E.] 16 0 0		 6 18 0 0 10 0-Nov. 1862
10000 Gt. Barrier Land, Min., &c., N.Ze. [L.£5]4 10 0		 15 per centMay, 1859
10000 Lusitanian (of Portugal) [S.E.] 2 0 0		 0 19 9 0 1 0-Feb. 1862
10000 Lusitanian (of Portugal) [S.E.] 2 0 0 103815 Mariquita and New Granada [S.E.] 1 0 9	34	 0 9 6 0 1 6-July, 1859

NON-DIVIDEND FOREIGN MINES.

Shares.	Mines.	Paid.	La	st Pr. Bus. don	Last Call
	Anglo-Brazilian (gold) [L. £1] [S.E.]				Dec. 1863
	Alamillos (lead), Spain] L. £2]			%	Mar. 1864
	Beariz Tin Streaming Company [L. £1]				.Oet. 1863
					Feb. 1864
15000	Cape Copper Mining Company [L. £10] [S.E.]				
20000	Capula (silver), Mexico [L. £2] [S.E.]	1 00		78 98 76	Feb. 1864
17000	Central Haman (copper) [1000 &2 paid]				Jan. 1859
10000	Copiano Smelting [L.], Chili Dun Mountain (copper), New Zealand [L.][S.E.]				Fully paid.
75000	Bun Mountain (copper), New Zealand [L.][S.E.]	1 00			Fully paid.
00000	East del Rey (gold), Brazil [L. £3] [S.E.]	1 50			Oct. 1863
30000	East Kongsberg NativeSilver Mining Co. of Norway [L. £5]	1 13 0			Dec. 1863
15000	El Chico Mining and Reduction (silver) [L. £5]]				Mar. 1864
20000	Elbe Colliery Company, Bohemia [L.]	1 0 0			Fully paid.
30000	Ellerslie and Bardowie (copper), Jamaica	0 18 0			July, 1859
8000	English and Canadian Mining Company [L.]				Fully paid.
40000	Fortune (copper), West Australia [L.]	2 0 0			Fully paid.
80000	Frontino and Bolivia (gold), New Granada [L. £2]	0 10 0			Mar. 1864
80000	Great Northern (copper), South Australia [L. £2] [S.E.]	1 10 0			June, 1862
24000	Hindostan (copper), Bengal [L. £5]	8 0 0			Feb. 1863
4000	Hope Silver-Lead and Copper Mining Co. [L.], Jamaica	35 0 0			Fully paid.
10000	Karbitz Colliery Company [L.]	1 0 0			Fully paid.
80000	Lagunazo (sulphur, copper), Portugal [L.]	1 00			Fully paid.
100000	Montes Aureos (gold), Brazil [L.] [S.E.]	2 0 0		214 236	Fully paid.
2000	New Burra (copper) (Australia)				Aug. 1862
10000	New Grand Duchy of Baden (silver-lead), near Freiburg	1 0 0			Nov. 1858
60000	North Rhine Copper of South Australia [L. £1] [S.E.]	0 17 6			••
80000	Nova Scotia (land and gold) [L. £2]	1 0 0			Nov. 1862
15000	Pachuca Silver Mining Company, Mexico [L. £1]	1 0 0			June, 1863
80000	Panulciilo (copper) [L. £4]	1 0 0		2 11/4 2	Feb. 1864
6000	Peel River Land and Mineral [Limited]	00 0 0			Stock.
23000	Quebrada (copper), Venezuela [L. £10]	4 10 0			Jan. 1864
10000	San Roque (lead), Spain	5 0 0			Fully paid.
60000	Santa Barbara (gold), Brazil [L. £1]	0 12 6		56 36 16	Jan. 1864
120000	Scottish Australian Mining Company [L. £1]	0 17 6		% %	Feb. 1864
15000	South Europe Mining Company. Spain [L. £5]	. 00		70 /0	May, 1860
12000	Teplitz Colliery Co., Bohemia [L. £5]	3 0 0		- ::	June, 1863
5000	Valgodemard Mining Company [L. £20]	6 0 0		- ::	Mar. 1864
50000	Valianzasca (gold), Italy [L. £1] [S.E.]	0 7 6		134	Dec. 1863
45000	Victor Emanuel (copper), Italy [L.]	1 00			Fully paid.
1000	Western Africa Malachite (copper) [L.]	0 0 0	•••		Oct. 1862
12000	Wheal Eilen (copper), South Australia [L.]	6 0 0		- =	Fully paid.
80000	Worthing (copper), South Australia II. 1 18 P 1	1 00	-	1	- Fully paid.

PROGRESSIVE MINES.

April 1997 Apr		3/4an 700	Aberdovey (sillead), Merio. 4 0 0	Sept. 1863	1. 1024 North Buller (cop.), Redruth. 25 18 0. 4 834 4
March Marc	id.	4000	Bedford Cons. (cop.), Tavistk. 2 8 0	Mar. 186	4 5000 N. Doleouth (con) Carebonne a
Section Communication Company	64	2000	Berehaven (copper), Ireland 1 00		2500 North Prances (cop.) Redruth 2 18 4. 2 . 1% 2
Series of the control	64	6000	Billins [L. £30] [200 £25 pd., 200 £30 pd.] Boscawen (tin), Kenwyn 2 10 0 34 3 344	Feb. 186	
Section of the content of the cont	64	3280 5000	Boscandle(tin,cp.),St. Austell 7 10 0 — Bottle Hill (tin) Plympton 1 8 6 —	Sept. 186:	
April 19 Carrier Shames (e.g.) places 1 1 1 1 1 1 1 1 1	64	200	Brynford Hall (lead), Flint 30 0 0 —	Fully paid	2000 North Jane (tin, silver-lead). 6 13 6. 2000 N. Levant (tin, cop.), St. Just 8 12 6.
April 19 Carrier Shames (e.g.) places 1 1 1 1 1 1 1 1 1	7.	1832	Bryn Gwiog (lead), Flint 9 0 0 — Bryntail (lead), Llanidloss 8 7 6 —	June, 1864	20000 N.Minera (id.) [15000£1 pd.,5000 10s.pd.]
Section Comparison Compar	y. 64	6380	Buller & Basset, (cp.) Redruth 4 6 6		6400 No. Pool (tin & cop.), Illogan. 1 15 8
The Contract Control	64	915	Calvadnack (tin), Wendron 24 3 6	Nov. 1863	6144 North Rosewarns (copper) . 1 0 0
1.00 1.00	63	4400	Camborna Vaan & Wh Vrancis 9 13 4	Feb. 1864	6000 N.Wh.Basset (cop.,tin)[S.E.] 3 17 0. 4 4%
100 Control Chicago, 150 Total Control Chicago, 150	64	8000	Cape Cornwall(cop.), [L.£2 10s.] 0 15 0 —		6144 N. Wh. Robert, Samp. Spiney 3 7 11. 88414 444
Section Continues (1997), 1997 19	64	314	Caradon Cons. (cop.), St. Cleer 28 16 6	June, 1864	1000 Pant v. Pydam (lead)
Section Consideration (1997) 1997	64 64	6000	Caradon Unit. (cop.), St. Neots 1 0 0 —	June, 1863	5000 Pendeen Cons. (cop.), St. Just 4 7 0
Section Principal Charles 1	64 64	\$000	Carmarthen United (lead) 5 0 0 — Carnelloe (tin and cop.), Zennor 1 0 0 —	Fully paid.	512 Penhallow Moor (silver-lead). 1 0 0.
Contract	63 64	8000	Carn Camborne (cop.), Cambn. 1 7 0 —	April, 1864 Nov. 1861	200 Pentralt (sll. id.), Merion.[L.] 2 7 0
100	64 64	20000	Carnyorth (tin), St. Just 4 10 0 — Carysfort [3200 £2½ pd., 16800 £1 pd.] —	June, 1864	12800 Prince of Wales (tin), Wendron 1 18 0
100	64 64	10000 2500	Castleward, Ireland [L.] 1 0 0 — Cefn Cilcen (id.), Flint [L. £5] 2 7 0 —	Mar. 1864	6000 Propagily (tip on) St Wilson 7
Section Contract Contract (1) Section	64			May, 1864	510 Peterson (Hill (star) Westers of the
1900 Chieffent Supplement 1900	64 64	2500	Central Minera (lead) [L. £5] 2 10 0 — CharlotteUntd., Perranuthnoa 4 17 8 —	Mar. 1864	5000 Rhafna (lead) [L. £1] 0 10 0
1000 Chart Charles 1000 Charles	84	6000	Chiverton Consols (alllead) 0 5 0 36 %		
1900 Columbia (1904) Col	68	3000 1000	Chiverton Valley (lead) 3 0 0 — Chiverton Wheal Hope (lead) 5 0 0 —	Feb. 1864	3848 Posewarna United (en tin) 2 4 6
1995 Control Control (1994, 1994) 10 10 10 10 10 10 10 1	68	8000	Chiverton Wheal Rose(sliid.). 0 16 8	Oct. 1863	700 Poskearnowth (con) Comborne 3 10 0. 2
1800 Carl March (1904) [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	84	1024	Cleer's Hill (tin), St. Stephen's 0 20		2000 Secretor Con (tip on) St Assect 110 0
1800 Content (resp. c) 10 10 10 10 10 10 10 1	84	3000	Clowance Wood [L. £5] 1 10 011/2 13/4	May, 1864	12500 Silver Moun. (lead) [L.] 2 0 0
1900 Charles (1904) Agriculture 1800 Agriculture 1800 Charles (1904) Agriculture 1800 Agricu	63	16000	Coolartra & Bondf L. 168300 £1n4 10700 19s.nd 1.	Jan. 1864	4096 Sithney Wheai Metal (tin)
1900 Charles (1904) Agriculture 1800 Agriculture 1800 Charles (1904) Agriculture 1800 Agricu	54 64	6000	Connorree (cop., sulph.) [L.] 1 0 0 —17s. 9d Cornish Clay and Tin [L.] 1 0 0 —	Fully paid.	6000 So. Alfred (cop.), Phill. & Gwin. 0 12 6
Section Compare Comp	14	861 30000	Crane (copper), Camborne 23 15 0 — Crenver and Wh. Abraham [L.] 2 10 0 —		100 South Bryn Gwiog (lead) 7 0 0
200 Date (Inc.), Assistance 10 0 0 0 0 0 0 0 0	14	6000	Crowen Cons. (con.) [L. 49].		4096 S. Caradon Wh. Hooper(cop.) 3 19 6
September Sept	14	2000 6000	Crowlwm (lead), Lianidlees. 1 11 0 —	Dec. 1863	dies a Conductor (tip on Comb o 10
1000 Durk (1, 1, 1, 1, 1, 1) 20 10 10 10 10 10 10 10	4	35000	Dale (lead), North Stafford., 1 0 0	Fully paid.	2283 Sou. Crenver (cop.), Crowan, 12 9 0
1000 Durk (1, 1, 1, 1, 1, 1) 20 10 10 10 10 10 10 10	3	2000	DeepLevel, Minera(ld).[L.£5] 3 5 0	.Feb. 1862	6000 S.Dolcoath & Carnarthen Con. 2 13 0
600 B. R. Brits HIII (101), Pyruphon 0 3 4.	4	20000	Dolfrwynog (gold) [L. £1] 0 13 6 —	Mar. 1864	2000 South Gorland (cop.), St. Day 4 10 0
600 B. R. Brits HIII (101), Pyruphon 0 3 4.	3	1000	Eaglebrook (lead) [L. £20] 17 2 0 —	.Feb. 1863	1024 S. Herodaioo (lead) Liskeard, 6 2 6
1000 1000	1	6000	E. Bottle Hill (tin), Plympton 0 3 6 —	April, 1864	4000 S. Minera (lead) [L. £514] 3 10 0
200 Cale North (C. Commit (C.	4	4096	E. Brookwood (cop.), Ashbrtn. 1 7 0	Jan. 1863 Feb. 1864	5325 So. Phonix (cop.) Linkin 7 1 4
See Develor of C. Consider Comp. 1 1 2 3 5 5 5 5 5 5 5 5 5	3	2000	East Chiverton (lead) 2 3 0 814 734 8	.Feb. 1863 .Mar. 1864	1 1024 S. Tresavean (cop.), St. Day 5 6 7
100 1. Palmenth (n-1-h.), Kenwyn 5 0 6 1/2 1	4	4000	E.Clogau(gold), Merio.[L.£1] 0 6 0 — East Devon Gt. Consols (cop.) 1 14 0 —	.Mar. 1864 .May, 1864	400 So. Wh. Seton(cop.), Camporne 46 13 0.
### Bast James (101164.), Carellulam 2 7 0		9049	F Falmouth (a -14) Kenwan K O S	.April, 1864 .May, 1864	794 Spearne Cons (tin), St. Just. 6 12 0
### Bast James (101164.), Carellulam 2 7 0		4000	E. Gt. Work (tin), Breage [L£5] 2 10 0 — E. Gunnis Lake& S. Bedf. (cop.) 7 15 6 % 14 14	.May, 1864	40000 St. David's (gold) [L. £2 10s.] 1 0 0 1024 St. Ives Wheal Allen (tin) 11 1 7
1000 1000	2	8148	Past Tane (stl. 14.) Cardinham 9 7 0	.Fully paid.	8000 St. Just Consols (tin) [L. 24]. 2 0 0 34 3 34
1868 1864 1864 1867 1867 1867 1867 1868 1864	,	1024	E. Margaret (tin), Uny Lelant 19 10 0	.May, 1864	990 Stray Park (cop., tin) [S.E.]. 33 5 6. 29
1868 1864 1864 1867 1867 1867 1867 1868 1864	2	3986 1	E. Providence (tin), Uny Lei. 4 4 8	.Dec. 1863	3500 Tin Hill (tin), St. Austell 0 12 6
1694 E. Treskenty (cop.), Refruth. 8 15 0.	2	OOTO 1	ast Seton (cop.), Camborne., O 10 0	.Dec. 1863	6000 Tolvadden (copper), Marazion 1 0 0.
1806 W. Wheal Agra (cop.), St. Cleer 1 1 7 6	9	1024 1	Treskerby (cop.), Redruth. 8 16 0	.Mar. 1864	5000 Traloweth (copper), St. Erth. 7 8 8. 9
2000 E. W. H. Portune (Lip.) Sithing 1 0 0 -	ő	1300 1	E. Wheal Agar (cop.),St. Cleer 11 17 0 — E. Wheal Ellen(cop.)St. Agnes 0 7 6 —	.Sept. 1863 .April, 1864	Kol Trees year and Trethurrap 11 10 0 617
0000 Earl Names Name 1, 1	2	2000 1	E. Wh. Fortune (tin) Sithney 1 0 0 — East Wheal Grylls (tin, cop.) 1 10 0 —	.April, 1863	\$105 Tresellyn and Scaddick Cons. 1 12 6
2000 Erwelin (1and), [1. £7]	2	6000 I	EastWheal Metal (tin and cop.) E. Wh. Russell, Tavis. [S.E.] 9 0 6 43% 4%		4096 Troweatha (silid.), Menhen. 5 12 0
	2	2000 1	East Wheal Vor (tin and cop.) 5 0 0 5	:	4000 Trumpet Unit. (tin), Wendron 1 9 6.
1092 Garden (tiln), Morval 1 9	0	6000	Esther Und. (tin), Cardingham 0 2 10. —		6400 Tyne Head (tin & cop. [L. £1] 0 18 0
1000 Garreg (19ad), Pilnt 10	2	1026	Furze Hill Wood Cons., Buckl. 1 5 6 —		20000 Vale of Towy (lead), Carmar. 0 15 6. 6s 4s. &
4000 6awton (copper), Tavistock, 2 = 0 = 1 5000 6awton (copper), Tavistock, 2 = 0 = 1 5000 6awton (various control	1	1000 (Farlidna Untd. (tin), Wendron 4 1 6	.Mar. 1864	3000 Wentworth Consols (lead) 3 0 0
April, 1966 1975 1976	1	4000 (Jawton (copper), Tavistock. 2 9 6 1 1		60000 Weish Gold, Dolgelly [L.] 1 0 0 —
2000 Gloch Hill (lead), Filinishire. 1 0 0.	2	30000	HasgowCaradonCon.(cp.)[L.] 1 0 0	Fully paid.	40000 West Clogau (gold), Merioneth 1 0 0
200 Ches. Level (Liph, Histon 0	1	2000 (lolch Hill (lead) Flintshire. 1 0 0		4216 W. Great Work (tin), Germos 1 66
200 Ches. Level (Liph, Histon 0	1	2000 (Jonnation (copper), St. Neot. 1 7 6	Mar. 1864	12000 W. Maria & Fortescue, Lamerton 1 0 0.
200 Ches. Level (Liph, Histon 0	4	5000 C	Great Brigan (cop.), Redruth. 6 7 6 2 2	.May, 1864	1000 W. Rose Down (cop.), Caradon 10 17 6
1	8	10000 (it.Dev.& Bed. [L.] [2800 50s. fully pd.]	June, 1864	1056 West Sharp Tor(ep.), Camb. 9 11 6 —
6000 Gt. Retallack (stlid., blende) 2 0 0	8	8000 C	Frent North Downs (copper). 3 15 0 —	May, 1864	
5000 Great Tregune Consols (cop.)	4	6000 C	Ht. Retallack (silld., blende) 2 6 6 — Freat S. Chiverton (sillead). 0 10 0 234236 256	April, 1864	9017 West Wheal Jane (tin, &c.) 3 15 4
3 8730 Great Wheal Baddern (tin), 6 16 0. —	8	82000 C	Great Tregune Consols (cop.). 0 5 0 — Great West Chiverton (lead) 1 0 0 —	June, 1864	5000 West Wh. Kitty(tin), St. Agnes 0 5 0
1000 Grylin Wheal Florence (lin),		3730 C	Freat Wheal Baddern (tin) 6 16 0 —	May, 1863	4096 West Wheal Vor (tin) 1 10 0 —
3072 Gt. Wh. Grylls (tin, copper) 1 0 0		4000 C	Hrylls Wheal Florence (tin) 2 21/4 21. Wh. Busy (cop., tin), Ken. 13 14 6 4 31/4	April, 1863	5000 Wheai Annie (cop.), Gwinear 1 13 0
6006 Swydyr Park Con., Llanrwst 1	1	3072 C	St. Wh. Grylls (tin, copper) 1 0 0	No call. Feb. 1864	256 Wheal Buller, Redruth [S.E.] 18 0 0 29 25 271/2
6400 Harwood (id.), Durham [L.£1] 0 5 6	3	REDUKE F	Jaylenbagge (conner) 484. 444	Feb. 1864	1000 Wheal Curtis (cop.), Crowan. 6 10 0 814
Peb. 1884 1024 Wheal Emily Hearista (cop.) 11 15 0	1	6400 I	Harwood (ld.), Durham [L.£1] 0 5 6 — Havan (ld.)., Cardigan [L.£5] 4 0 0 —	Nov. 1861 Feb. 1864	6000 Wheal Crofty (cop.), Illogan 1 76 212
5000 Hendre (lead), Fliat [L. £5] 2 0 0	1	7219 E	iawkmoor(tin,cop.)Calstock 3 6 0	No call.	4096 Wh. Edward (cop.), Calstock. 8 6 6 11 11/4 11/4 Wheal Emily Henrietta (cop.) 11 15 0
6000 Kigh Bray (1d.), Callington 5 2 6	۱,	5000 H	Hingston Down (cop.)[S.E.] 5 10 6 44 4 44		4000 Wh. Emma(cp) Buckfastleigh 3 2 6
Section Sect	9	6000 I	llogan (tin and copper) 0 12 6 —	Nov. 1863	#000 Wh.Granville (copper) [S.E. 1 8 12 0 8 71/ 71/
6000 Lady Bertha (cop.) (S.E.] . 2 18 6	2	396 1	Climorey (lead)	Mar. 1862	6000 Wheal Hartley (cop.), Gwinear 1 3 6
See Selant Cons. (tin), Uny Lelant 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	6000 I	ady Bertha (cop.) [S.E.] 2 18 6 —	April, 1864	2048 Wheal Hope (silld.), Perran 3 5 0
3 4000 Liantwit Yardre (coan), [L.£0] 4 10 0 0 0 0 0 0 0 0	1	1019 1	ceds & St. Aubyn (tin, cop). 17 6 4	Feb. 1862	4800 Wh. Ludcott and Wrey (lead) 3 9 8 24 24
3000 Lower Fark (id.), Denbigh [L.] 3 11 0.		240 I	dangan (id.), Giamor. [L.£25]20 0 0	Oct. 1863	1000 Wh. Mary Hutchings (Plymp.) 0 11 0. 2
4 480 Merlyn (lead.), Filint 4 0 6	4	2000 1	ong Rake (lead), Flint 4 10 0 —	Oct. 1863	1024 Wheal Par (tin), St. Blazey 6 8 0
0	4	6000 I	daudlin (copper), Lostwithiel 4 2 0	April, 1864	1024 Wheal Polmear (copper) 3 13 9
3 000 Mineral Bottom (lead) 3 0 0	5	3000 3	MineraWesternBoundary[L.£1] 0 2 6	Sept. 1863	25000 Wh. Prudence St. Ag. [L. £1] 0 17 6 —
3 1024 Nanglies (tin, copper), Kea 18 0 0 29\% 25 28	:	8000 Z	Mineral Bottom (lead) 3 0 0 — Molland (cop.), S. Moulton., 2 9 6 —	Nov. 1862	2000 Wheal Rose (copper), Scorrier. — 43 40 43
4 400 Nanteos (lead) [L. £1]	3	5000 2	Nanglies (tin, copper), Kea 18 0 0 29 4 26 28	Fully paid.	4096 Wheal Sidney(tin), Plympton 5 0 7
10000 New East Birch Tor (tin) . 0 2 6		519 2	Nanteos (lead) [L. £1] 0 5 0 — Nant Minera (lead), [L. £20] 5 14 0 —	Jan. 1864 May, 1864	2048 Wh. Sithney & Carnmeal Uni. 12 4 0 716 7 7%
4 12000 New Cornish [8000 £1 paid, 4000 7s. 6d. paid]	9	6000 1	Nant-y-Iago (id.), Merioneth 3 17 6 — New East Birch Tor (tin) 0 2 8 —		6000 Wheal Union (cop.), Redruth 4 10 6
3 614 New E. Russell (cop.), Tavistk. 0 6 0	4	10000 N 12000 1	New Concord (silid.) [L. £3] 1 0 0 — New Cornish [8000 £1 paid, 4000 7s. 6d. paid]	Mar. 1864	6000 Wh.Unity(cop.,tin),Gwinear 14 12 0 — 41 68 4096 Wh.Uny (tin,cop.), Redruth 9 7 0 6 53 6
6400 New Hendra (tiend), Durton 0 18 6	2	6400 2	N. Crow Hill (id.), St. Stephen 2 11 6 — New E. Russell (cop.), Tavistk. 0 6 0 —	Feb. 1864	4500 Wheal Vlow (copper)
1024 New Pembroke (the and cop.), 0 9 0		6400 1	Nether Hearth (lead), Dufton 0 18 6	Oct. 1863	994 Worvas Downs (tin), Lelant. 7 7 0
2 6000 New S. Caradon (cop.), St. Clear 0 16 6		6400 1	New Pembroke (tin and cop.), 0 9 0 —	May, 1864	over ammer (voyper), Devou asses o 10 U.s as
3 1024 New Wendron (tin), Wendron 7 0 0 —	2	6000 2	New S. Caradon (cop.), St. Cleer 0 16 6	Dec. 1863	
3 1024 New Wendron (tin), Wendron 7 0 0 —	°	960 2	New Trevenen (tin), Wendron 6 7 0	Feb. 1864	10000 Tilescount Cornerson [1, 6100] 19 10 0 16 "
4 4095 New Wh. Rose (d. and blende) 0 50	3	1024 2	New Wendron (tin), Wendron 7 00	Jan. 1863	125000 Gen. Cred. & Fin. Lond. [L. £20] 4 0 0. 74. 678 77 150000 Inter Financial Sec. [L. £20] 5 0 0. 1036. 9% 10
* Those mines with [S.E.] appended have been admitted on the Stock Exchange. Those mines with [L.] appended have been inexpense		15000 1	New Wheal Martha (cop.) [L.] 1 0 0 114114 114	Fully paid.	80000 National Discount Co. [L. £25] 5 0 0 15 14% 15
Limited Liability.		2000 1	Those mines with [S. F.] appended have been admitted	m the Start -	Frehenge There will be with ft 1 amended house here instruction
	4		amoss minutes with [co.m.] appended have been admitted of	Limited Lie	skility.

- *. Those mines with [S.E.] appended have been admitted on the Stock Exchange. Those mines with [L.] appended he Limited Liability.
- *Our object being to make the Share List correct, we earnostly call upon all who have the power, to ald us, by forwarding any siteration tion which may, from time to time, come under their notice. To shareholders, as well as those officially connected with the mins, we information. Reports from mines—in fact, mining intelligence of every description, forwarded to our office, will meet ready attention.
- London Printed by Richard Middleton, and published by Hewry English (the proprietors), at their office No. 26, Fleet Street, I munications are requested to be addressed, \(\sqrt{June 25}, 1864. \)